

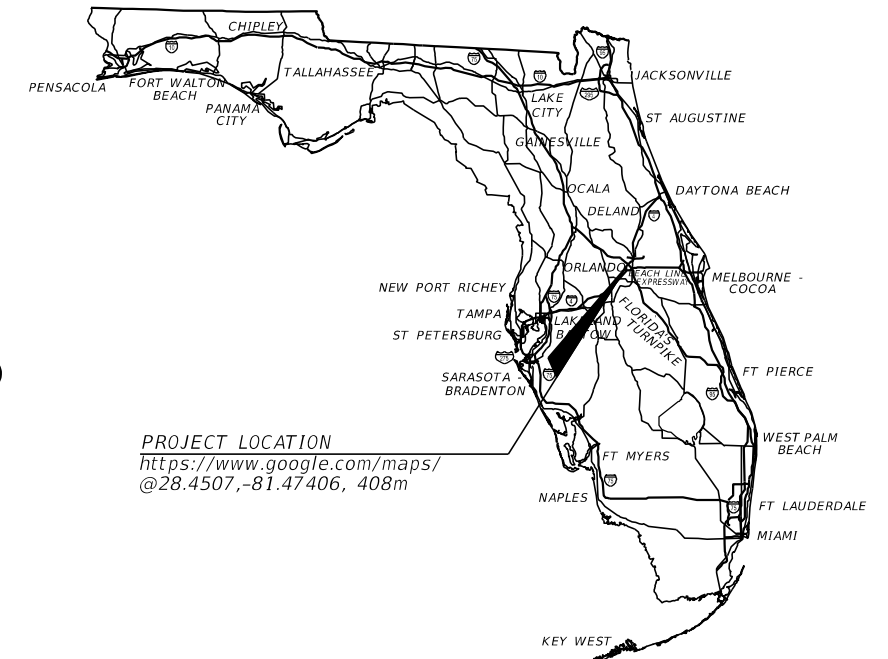
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 444315-1-52-01
(FEDERAL FUNDS)
ORANGE COUNTY (75280)

STATE ROAD NO. 400 (I-4)
FROM W. OF SR 482 (SAND LAKE RD) TO W. OF KIRKMAN RD (SR 435)

LIGHTING PLANS



PROJECT LOCATION
[https://www.google.com/maps/
@28.4507,-81.47406,408m](https://www.google.com/maps/@28.4507,-81.47406,408m)

INDEX OF LIGHTING PLANS

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LIGHTING PLANS
ENGINEER OF RECORD:

DEEANGELA R. TJIKUENI, P.E. NO. 68301
JACOBS ENGINEERING GROUP, INC.
200 S. ORANGE AVENUE, SUITE 900
ORLANDO, FL 32801
(407) 903-5001
CONTRACT NO. C-9187
VENDOR NO. F954081636001

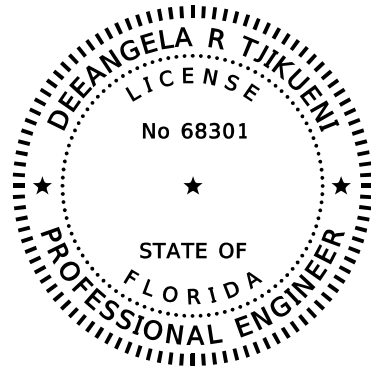
FDOT PROJECT MANAGER:
TODD HELTON, PE

PHASE II (60%) SUBMITTAL PLANS
MARCH 2021
NOT FOR CONSTRUCTION

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	22	L-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:



ON THE DATE ADJACENT TO THE SEAL
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JACOBS ENGINEERING GROUP, INC.
200 S ORANGE AVENUE, SUITE 900
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 00002822
DEEANGELA R. TJIKUENI, P.E. NO. 68301

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS

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REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. L-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 400	ORANGE	444315-1-52-01	

SIGNATURE SHEET

GENERAL NOTES

1. UTILITY OWNERS:

AT&T FLORIDA - SHAUN PERSIS - 407-999-2636
 BRIGHTHOUSE NETWORKS - MARVIN USRY - 407-532-8509
 CITY OF ORLANDO WATER RECLAMATION DIVISION - DAVID BRIETRICK - 407-246-3525
 COMCAST COMMUNICATIONS - CESAR RIVERA - 352-315-8528
 DUKE ENERGY DISTRUBUTION - MARK MANNER - 863-678-4476
 DUKE ENERGY TRANSMISSION - SCOTT VANVELZOR - 813-909-1241
 LEVEL 3 COMMUNICATIONS (CENTURYLINK) - RON PRARIO - 407-908-6903
 ORANGE COUNTY UTILITIES - CHRISTINA CROSBY - 407-254-9706
 SMART CITY SOLUTIONS - DAVID CAULEY - 407-828-6648
 SUMMIT BROADBAND - MICHELLE DANIEL - 407-996-1183
 TECO PEOPLES GAS - SHAWN WINSOR - 407-420-6663
 VERIZON BUSINESS - TIM COLE - 407-618-2078

MRS. JEANNIE A. TALHOUK. FLORIDA POWER CORP: 4121 ST. LAWRENCE DRIVE.
 NEW PORT RICHEY, FL 34653 (813) 372-5102.

2. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON THE INFORMATION FURNISHED TO THE ENGINEER BY THE UTILITY OWNER(S) AND ARE SHOWN AS NOTICE TO THE CONTRACTOR THAT UNDERGROUND UTILITIES EXIST. BEFORE EXCAVATING, NOTIFY THE UTILITY COMPANY OWNER(S) AND REQUEST THEM TO LOCATE AND STAKE THEIR UNDERGROUND FACILITIES. UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER.
3. FOR ALTERNATIVE PROPOSED LUMINAIRES, SUBMITTAL DATA SHALL INCLUDE COMPUTER PRINTOUTS SHOWING POINT-TO-POINT HORIZONTAL FOOT-CANDLE LEVELS TO BE OBTAINED ON THIS PROJECT. LIGHTING DESIGN ANALYSIS REPORT SHALL BE USED, IF NO ALTERNATIVE LUMINAIRES ARE PROPOSED. AT FINAL INSPECTION, THE CONTRACTOR SHALL VERIFY THE HORIZONTAL FOOT-CANDLE LEVELS ON THE ROADWAY WITH AN APPROVED AND PROPERLY CALIBRATED LIGHT METER.
4. NOTIFY UTILITY POWER SERVICE PROVIDER AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS WITHIN 10 FEET OF ENERGIZED ELECTRICAL CONDUCTORS. UTILITY POWER SERVICE PROVIDER, AT IT'S OPTION, SHALL ASSIST THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) CONTRACTOR TO COVER UP ENERGIZED CONDUCTORS AT INSTALLATION SITE OR TAKE OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY, HIGH VOLTAGE COMPONENTS.
5. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY N.E.C. OR N.E.S.C. FOR CABLE USED. PULL CABLE SHALL BE POLYESTER. STEEL CABLE OR FISH TAPES NOT ALLOWED.
6. THE LIGHTING SYSTEM ALONG INTERSTATE-4; THE INTERCHANGE AT INTERSTATE-4 AND SAND LAKE ROAD; AND SAND LAKE ROAD, FROM ITS INTERSECTION WITH INTERNATIONAL DRVE WEST TO APPROXIMATELY PLAN STATION 104+10 (BASED ON THE FDOT STRAIGHT LINE DIAGRAM), WILL BE MAINTAINED BY FDOT UPON FINAL ACCEPTANCE.
7. THE LIGHTING SYSTEM ALONG SAND LAKE ROAD, FROM APPROXIMATELY PLAN STATION 104+10 (BASED ON THE FDOT STRAIGHT LINE DIAGRAM) TO THE WEST; THE INTERSECTION OF SAND LAKE ROAD AND TURKEY LAKE ROAD; THE PED POLE MOUNTED LIGHTING AT THE INTERCHANGE OF INTERSTATE-4 AND SAND LAKE ROAD UNDER THE INTERSTATE-4 BRIDGE AND TURKEY LAKE ROAD WILL BE MAINTAINED BY ORANGE COUNTY UPON FINAL ACCEPTANCE.
8. EXISTING LIGHTING EQUIPMENT POWER SOURCES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION/REMOVAL WORK.
9. ALL CONDUITS SHALL BE MANDREL TESTED AND CLEANED. CONDUITS PLACED FOR FUTURE USE SHALL HAVE. 3/4" POLYESTER CORD PULLED IN PLACE AND CAPPED WITH NOTATION INSIDE CONDUIT AS TO LOCATION OF OPPOSITE END. PLACE DUCT MARKER OR PULL BOXES TO MARK ENDS OF EMPTY CONDUITS.
10. THE CONTRACTOR SHALL REMOVE ALL OUT OF SERVICE ROADWAY LIGHTING SYSTEM COMPONENTS INCLUDING UNDERGROUND AND SURFACE MOUNT CONDUITS, CONDUCTORS, POLE BASES, POLES, PULL BOXES, SERVICE POINTS, LOAD CENTERS, AND ALL OTHER ANCILLARY COMPONENTS RELATED TO THE LIGHTING SYSTEM NOTED IN THE PLANS.
11. ON REMOVED SIGN STRUCTURES, THE CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING AND COMPONENTS FROM THE PULL BOX TO THE SIGN STRUCTURE, AND RE-SPLICE CONDUCTORS AS NEEDED.

REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. L-5
DATE	DESCRIPTION	DATE	ROAD NO.		COUNTY	FINANCIAL PROJECT ID		
			SR 400		ORANGE	444315-1-52-01		

GENERAL NOTES

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LEGEND

SYMBOLS

DESCRIPTION



PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 40' MOUNTING HEIGHT, 12' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 213 WATTS LED LUMINAIRE DESIGNED WITH TYPE III SHORT DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AE-04-E-U-T3. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



RELOCATED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 45' MOUNTING HEIGHT, 15' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 330 WATTS LED LUMINAIRE DESIGNED WITH TYPE II SHORT DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AE-06-E-8-(4)SL3-(2)AFL. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



RELOCATED CONVENTIONAL SINGLE WALL COPING MOUNTED POLE PER FDOT STANDARD PLAN 521-650 & 521-660, 45' MOUNTING HEIGHT, 15' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 330 WATTS LED LUMINAIRE DESIGNED WITH TYPE II SHORT DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AE-06-E-8-(4)SL3-(2)AFL. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, PULL BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE WALL OR BRIDGE COPING MOUNTED POLE PER FDOT STANDARD PLAN 521-650 & 521-660, 35' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 166 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-03-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, PULL BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 35' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 166 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-03-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.

SYMBOLS

DESCRIPTION



PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 40' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRES, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED SIGNAL LUMINAIRE SINGLE MAST ARM MOUNTED POLE, 40' MOUNTING HEIGHT, 12' ARM, 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE III MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-T3. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), LUMINAIRE, PULL BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE MEDIAN MOUNTED POLE PER FDOT STANDARD PLAN 521-650 & 521-660, 40' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE WALL COPING MOUNTED POLE PER FDOT STANDARD PLAN 521-650 & 521-660, 45' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, PULL BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.

REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING LEGEND	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-6
					SR 400	ORANGE	444315-1-52-01		

LEGEND

SYMBOLS

DESCRIPTION

SYMBOLS

DESCRIPTION



PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 45' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 45' MOUNTING HEIGHT, 12' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 279 WATTS LED LUMINAIRE DESIGNED WITH TYPE III MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-05-LED-U-SL3. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 30' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE WALL OR BRIDGE COPING MOUNTED POLE PER FDOT STANDARD PLAN 521-650 & 521-660, 45' MOUNTING HEIGHT, 12' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 279 WATTS LED LUMINAIRE DESIGNED WITH TYPE III MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-05-LED-U-SL3. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, PULL BOX (PAID FOR SEPARATELY AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 45' MOUNTING HEIGHT, 10' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE WALL COPING MOUNTED POLE PER FDOT STANDARD PLAN 521-650, 45' MOUNTING HEIGHT, 12' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 279 WATTS LED LUMINAIRE DESIGNED WITH TYPE IV SHORT DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-05-LED-U-SL4. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, PULL BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 25' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE III SHORT DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-T3. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



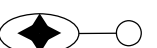
PROPOSED CONVENTIONAL SINGLE SHOULDER MOUNTED POLE, 45' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 279 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-05-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE WITH FRANGIBLE BASE, LUMINAIRE, CONCRETE FOUNDATION, PULL BOX (PAID FOR SEPARATELY), CONCRETE PAD AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE WALL COPING MOUNTED POLE PER FDOT STANDARD PLAN 521-650, 25' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 225 WATTS LED LUMINAIRE DESIGNED WITH TYPE III SHORT DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-04-LED-U-T3. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, PULL BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.



PROPOSED CONVENTIONAL SINGLE WALL OR BRIDGE COPING MOUNTED POLE PER FDOT STANDARD PLAN 521-650 & 521-660 POLE, 45' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 279 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-05-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, PULL BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.




PROPOSED CONVENTIONAL SINGLE WALL COPING OR BRIDGE MOUNTED POLE PER FDOT STANDARD PLAN 521-650, 40' MOUNTING HEIGHT, 6' ARM, LED LIGHTING STANDARD ALUMINUM POLE WITH IDENTIFICATION TAG AND 279 WATTS LED LUMINAIRE DESIGNED WITH TYPE II MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING - STREETWORKS, Navion AND PHOTOMETRIC CURVE NVN-AF-05-LED-U-SL2. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, PULL BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.


REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING LEGEND	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-7
					SR 400	ORANGE	444315-1-52-01		


LEGEND


SYMBOLS


DESCRIPTION

 PROPOSED PEDESTAL POLE, 14' MOUNTING HEIGHT, 110 WATTS LED LUMINAIRE DESIGNED WITH TYPE IV VERY SHORT DISTRIBUTION (SLD/48L/110/5K/T5R/UNV/FTS/BLT), INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 120-277 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE:HUBBELL-BEACON, SLIDE AND PHOTOMETRIC CURVE SLD-48L-5K7-5R. SYMBOL INCLUDES POLE CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), ALUMINUM POLE, LUMINAIRE, AND GROUNDING PER FDOT STANDARD PLANS.

 PROPOSED WALL MOUNTED LUMINAIRE, 15' MOUNTING HEIGHT, 104 WATTS LED LIGHTING LUMINAIRE DESIGNED WITH TYPE IV MEDIUM DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: HOLOPHANE AND PHOTOMETRIC CURVE W4GLED 30C1000 40K T3M. SYMBOL INCLUDES WALL CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), JUNCTION BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.


 PROPOSED PENDANT HUNG, 19' MOUNTING HEIGHT, 78.3 WATTS LED LIGHTING LUMINAIRE DESIGNED WITH TYPE IV SHORT DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING VALET AND PHOTOMETRIC CURVE VPL-F03-LED-E1-GL4. SYMBOL INCLUDES WALL CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), JUNCTION BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.

 PROPOSED PENDANT HUNG, 17' MOUNTING HEIGHT, 78.3 WATTS LED LIGHTING LUMINAIRE DESIGNED WITH TYPE VS SHORT DISTRIBUTION, INTEGRAL, TRAY-MOUNTED, LED DRIVER WIRED FOR 480 VOLT OPERATION. THE BASIS OF LIGHTING DESIGN IS BASED ON THE FOLLOWING LED LUMINAIRE AND PHOTOMETRIC FILE: COOPER LIGHTING VALET AND PHOTOMETRIC CURVE VPL-F03-LED-E1-SQ. SYMBOL INCLUDES WALL CABLE DISTRIBUTION SYSTEM (PAID FOR SEPARATELY), JUNCTION BOX (PAID FOR SEPARATELY) AND GROUNDING PER FDOT STANDARD PLANS.


 PROPOSED MEDIAN POLE BASE FOR FUTURE INSTALLATION OF DOUBLE-ARM MEDIAN MOUNTED LIGHT POLE.

 EXISTING POLE AND LUMINAIRE TO BE RELOCATED

 EXISTING POLE AND LUMINAIRE TO BE REMOVED

 CONDUIT, 2" OPEN TRENCH FOR LIGHTING

 CONDUIT, 2" DIRECTIONAL BORE FOR LIGHTING

 CONDUIT, 3-2" EMBEDDED FOR LIGHTING


 CONDUIT, 3/4" BRIDGE MOUNTED FOR LIGHTING


 CONDUIT, 2" EXISTING FOR LIGHTING


SYMBOLS

DESCRIPTION

 PROPOSED LOAD CENTER

 PULL BOX LIGHTING (UNDERGROUND)

 JUNCTION BOX LIGHTING (MOUNTED) 10"X21"X8" (MINIMUM DEPTH OF 8")

 JUNCTION BOX LIGHTING (EJB "A") 18"X18"X8"

CONVENTIONAL LIGHTING DESIGN CRITERIA

AVERAGE INITIAL INTENSITY	1.5 FOOT CANDLES FOR MAJOR ARTERIALS
UNIFORMITY RATIO AVG./MIN.	4:1 OR LESS
MAX./MIN.	10:1 OR LESS
WIND SPEED	140 MPH
VEILING LUMINANCE RATIO (Lv(MAX)/Lavg)	0.3:1 OR LESS

SIGNALIZED INTERSECTIONS

AVERAGE INITIAL INTENSITY	
HORIZONTAL ILLUMINATION:	3.0 FOOT CANDLES (1.5 MIN.)
VERTICAL ILLUMINATION:	1.5 FOOT CANDLES (1.2 MIN.)
UNIFORMITY RATIO AVG./MIN.	4:1 OR LESS
MAX./MIN.	10:1 OR LESS

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: DeeAngela R. Tjikueni
P.E. License No. 68301
Jacobs Engineering Group, Inc.
200 S. Orange Avenue, Suite 900
Orlando, FL 32801
PH (407) 903-5001

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING LEGEND

SHEET NO.

L-8

LIGHTING DATA TABLE

POLE NO.	CIRCUIT	STATION	BASELINE	ARM LENGTH	LUMINAIRE # - WATT	MOUNTING HEIGHT	FOUNDATION	LOCATION POLE SETBACK, WALL COPING, BRIDGE OR MEDIAN	SIDE	PAY ITEM
I-4 (SR 400) MAINLINE										
XXX	X-X	809+11.04	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	20' FROM EOP	LT	715-511-145
XXX	X-X	809+13.68	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	20' FROM EOP	RT	715-511-145
XXX	X-X	401+30.72	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	401+30.27	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	20' FROM EOP	RT	715-511-145
XXX	X-X	403+21.71	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	700+44.41	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	405+11.73	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	702+35.49	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	407+03.32	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	704+27.35	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	408+93.38	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	706+17.02	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	410+83.75	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	708+07.99	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	412+73.29	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	709+97.42	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	414+61.92	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	711+85.20	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	416+52.62	WBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	713+75.41	EBGL_TIE	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	4189+34.31	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7190+42.81	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4191+25.09	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7192+33.53	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4193+14.89	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7194+26.19	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4195+20.79	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7196+15.62	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4196+90.75	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7198+00.37	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4198+60.38	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	4205+57.78	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7206+66.83	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4207+49.97	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7208+59.10	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4209+49.63	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7210+59.28	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4211+50.15	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7212+59.80	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4213+40.04	WBGL	12'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	7214+49.32	EBGL	12'	1-279	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	4215+30.56	WBGL	12'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	7216+39.84	EBGL	12'	1-279	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	4217+20.80	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7218+31.26	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4219+13.04	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7220+23.72	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4221+04.63	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7222+13.05	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4223+09.54	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	4225+00.89	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145

POLE NO.	CIRCUIT	STATION	BASELINE	ARM LENGTH	LUMINAIRE # - WATT	MOUNTING HEIGHT	FOUNDATION	LOCATION POLE SETBACK, WALL COPING, BRIDGE OR MEDIAN	SIDE	PAY ITEM
I-4 (SR 400) MAINLINE										
XXX	X-X	4226+90.00	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7227+98.72	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4228+75.09	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7229+80.19	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4230+67.11	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7231+83.99	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4232+57.70	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7233+85.88	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	7235+74.98	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	7237+65.28	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4239+25.03	WBGL	6'	1-225	40'	CYLINDRICAL	MEDIAN BARRIER WALL	MED	715-513-140
XXX	X-X	7239+60.20	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4241+65.00	WBGL	6'	1-225	40'	CYLINDRICAL	MEDIAN BARRIER WALL	MED	715-513-140
XXX	X-X	7241+57.43	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4244+00.92	EBGL	6'	1-225	40'	CYLINDRICAL	MEDIAN BARRIER WALL	MED	715-513-140
XXX	X-X	7243+51.82	EBGL	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	7245+39.19	EBGL	15'	1-330	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4246+55.42	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7247+24.33	EBGL	15'	1-330	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4248+67.13	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7249+09.91	EBGL	15'	1-330	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	4250+86.74	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7251+00.66	EBGL	15'	1-330	45'	STANDARD RDWY	20' FROM EOP	RT	711-511-145
XXX	X-X	4252+97.95	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	7252+81.23	EBGL	15'	1-330	45'	STANDARD RDWY	20' FROM EOP	RT	711-511-145
XXX	X-X	4255+09.66	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	5254+92.15	WBXL	6'	1-225	40'	CYLINDRICAL	MEDIAN BARRIER WALL	MED	715-513-140
XXX	X-X	7254+71.29	EBGL	15'	1-330	45'	STANDARD RDWY	20' FROM EOP	RT	711-511-145
XXX	X-X	4257+26.95	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	5257+12.94	WBXL	6'	1-225	40'	STANDARD RDWY	20' FROM EOP	RT	711-511-140
XXX	X-X	7256+56.66	EBGL	15'	1-330	45'	STANDARD RDWY	20' FROM EOP	RT	711-511-145
XXX	X-X	4259+34.44	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	5259+26.93	WBXL	6'	1-225	40'	STANDARD RDWY	20' FROM EOP	RT	711-511-140
XXX	X-X	7258+44.56	EBGL	15'	1-330	45'	STANDARD RDWY	20' FROM EOP	RT	711-511-145
XXX	X-X	4261+35.84	WBGL	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	5261+47.30	WBXL	6'	1-225	40'	STANDARD RDWY	20' FROM EOP	RT	711-511-140
XXX	X-X	7260+34.97	EBGL	15'	1-330	45'	STANDARD RDWY	20' FROM EOP	RT	711-511-145
XXX	X-X	4254+78.55	EBGL	6'	1-225	40'	STANDARD RDWY	20' FROM EOP	LT	711-511-140
XXX	X-X	7256+95.26	EBGL	6'	1-225	40'	STANDARD RDWY	20' FROM EOP	LT	711-511-140
XXX	X-X	7259+20.18	EBGL	6'	1-225	40'	STANDARD RDWY	20' FROM EOP	LT	711-511-140
XXX	X-X	7261+34.55	EBGL	6'	1-225	40'	STANDARD RDWY	20' FROM EOP	LT	711-511-140
RAMP J										
XXX	X-X	998+12.67	RAMP J	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	999+83.46	RAMP J	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1001+48.93	RAMP J	12'	1-279	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1003+23.95	RAMP J	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1005+44.86	RAMP J	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145

REVISIONS <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 400</td> <td>ORANGE</td> <td>444315-1-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 400	ORANGE	444315-1-52-01	SHEET NO. L-9	
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																							
SR 400	ORANGE	444315-1-52-01																							
LIGHTING DATA TABLE																									

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LIGHTING DATA TABLE

POLE NO.	CIRCUIT	STATION	BASELINE	ARM LENGTH	LUMINAIRE # - WATT	MOUNTING HEIGHT	FOUNDATION	LOCATION POLE SETBACK, WALL COPING, BRIDGE OR MEDIAN	SIDE	PAY ITEM
XXX	X-X	1007+47.02	RAMP J	6'	1-225	25'	STANDARD RDWY	BEHIND BARRIER WALL	RT	715-511-125
XXX	X-X	1008+95.62	RAMP J	6'	1-225	25'	PEDESTAL	WALL COPING	LT	715-515-125
XXX	X-X	1010+70.27	RAMP J	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-145
XXX	X-X	1011+11.97	RAMP J	6'	1-225	30'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-130
XXX	X-X	1011+44.20	RAMP J	6'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	LT	715-511-145
RAMP K										
XXX	X-X	1100+11.15	RAMP K	12'	1-279	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	1101+48.70	RAMP K	12'	1-279	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	1102+97.83	RAMP K	12'	1-279	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	1104+36.27	RAMP K	12'	1-279	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	1106+05.15	RAMP K	12'	1-279	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	1107+89.01	RAMP K	6'	1-225	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	1109+74.88	RAMP K	6'	1-225	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	1111+71.57	RAMP K	6'	1-225	45'	PEDESTAL	BRIDGE	RT	715-515-145
XXX	X-X	1113+67.64	RAMP K	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
XXX	X-X	1114+45.94	RAMP K	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-145
XXX	X-X	1114+64.79	RAMP K	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
RAMP L										
XXX	X-X	1200+88.84	RAMP L	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
XXX	X-X	1201+57.36	RAMP L	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-145
XXX	X-X	1202+16.94	RAMP L	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
XXX	X-X	1204+04.53	RAMP L	6'	1-225	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	1206+11.27	RAMP L	6'	1-225	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	1207+96.57	RAMP L	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	1209+36.98	RAMP L	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	1210+91.28	RAMP L	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
RAMP M										
XXX	X-X	1299+09.22	RAMP M	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-145
XXX	X-X	1299+23.64	RAMP M	6'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
XXX	X-X	1300+61.90	RAMP M	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1302+41.57	RAMP M	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1304+25.98	RAMP M	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1306+02.39	RAMP M	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1307+81.21	RAMP M	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1309+60.62	RAMP M	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1311+41.90	RAMP M	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	1313+21.21	RAMP M	6'	1-225	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
XXX	X-X	1315+12.36	RAMP M	6'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	1317+02.63	RAMP M	6'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	1318+84.44	RAMP M	6'	1-225	45'	STANDARD RDWY	14" FROM EOP	LT	715-511-145
XXX	X-X	1320+72.90	RAMP M	6'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	1322+68.89	RAMP M	6'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	1325+03.23	RAMP M	6'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	1327+31.55	RAMP M	6'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	1329+59.05	RAMP M	6'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	1331+81.62	RAMP M	6'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	1334+17.66	RAMP M	6'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	1336+52.93	RAMP M	6'	1-225	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	1338+82.39	RAMP M	6'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145

POLE NO.	CIRCUIT	STATION	BASELINE	ARM LENGTH	LUMINAIRE # - WATT	MOUNTING HEIGHT	FOUNDATION	LOCATION POLE SETBACK, WALL COPING, BRIDGE OR MEDIAN	SIDE	PAY ITEM
XXX	X-X	1341+12.50	RAMP M	6'	1-279	45'	PEDESTAL	BRIDGE	LT	715-515-145
XXX	X-X	1343+35.14	RAMP M	6'	1-279	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	1345+65.73	RAMP M	6'	1-279	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
RAMP M2										
X-X	X-X	2300+09.73	RAMP M2	6'	1-166	35'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-135
X-X	X-X	2300+79.53	RAMP M2	6'	1-166	35'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-135
X-X	X-X	2302+13.89	RAMP M2	6'	1-166	35'	PEDESTAL	WALL COPING	LT	715-515-135
X-X	X-X	2303+89.94	RAMP M2	6'	1-166	35'	PEDESTAL	WALL COPING	LT	715-515-135
X-X	X-X	2305+63.04	RAMP M2	6'	1-166	35'	PEDESTAL	WALL COPING	LT	715-515-135
X-X	X-X	2307+33.43	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
X-X	X-X	2309+03.01	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
X-X	X-X	2310+71.09	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
X-X	X-X	2312+40.79	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
X-X	X-X	2314+11.07	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
XXX	X-X	2316+09.58	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
XXX	X-X	2318+15.56	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
XXX	X-X	2319+73.69	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
XXX	X-X	2321+32.85	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
XXX	X-X	2322+86.67	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
XXX	X-X	2324+46.76	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
XXX	X-X	2326+05.89	RAMP M2	6'	1-166	35'	PEDESTAL	BRIDGE	LT	715-515-135
XXX	X-X	2327+64.68	RAMP M2	6'	1-166	35'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-135
XXX	X-X	2329+06.71	RAMP M2	6'	1-166	35'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-135
RAMP M3										
XXX	X-X	4032+22.86	RAMP M3	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	4303+69.17	RAMP M3	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
XXX	X-X	4305+59.02	RAMP M3	6'	1-225	45'	PEDESTAL	WALL COPING	LT	715-515-145
RAMP N										
X-X	X-X	100+32.72	RAMP N	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	LT	715-511-145
X-X	X-X	102+27.30	RAMP N	12'	1-279	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
X-X	X-X	104+16.52	RAMP N	12'	1-279	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
X-X	X-X	106+42.20	RAMP N	12'	1-279	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
X-X	X-X	108+87.25	RAMP N	12'	1-279	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
X-X	X-X	110+88.75	RAMP N	6'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
X-X	X-X	112+89.33	RAMP N	6'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
X-X	X-X	114+85.94	RAMP N	6'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
X-X	X-X	117+01.08	RAMP N	6'	1-225	45'	STANDARD RDWY	14' FROM EOP	RT	715-511-145
XXX	X-X	121+47.25	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	123+35.36	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	RT	715-511-145
XXX	X-X	125+29.05	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	RT	715-511-145
XXX	X-X	127+19.51	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	RT	715-511-145
XXX	X-X	129+03.08	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	130+82.99	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	132+75.74	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	134+55.43	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	137+00.13	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	138+94.40	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	140+94.32	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145

REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	LIGHTING DATA TABLE	SHEET NO. L-10
DATE	DESCRIPTION	DATE	DESCRIPTION				

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LIGHTING DATA TABLE

POLE NO.	CIRCUIT	STATION	BASELINE	ARM LENGTH	LUMINAIRE # - WATT	MOUNTING HEIGHT	FOUNDATION	LOCATION POLE SETBACK, WALL COPING, BRIDGE OR MEDIAN	SIDE	PAY ITEM
RAMP N										
XXX	X-X	142+97.24	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	145+00.43	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	147+01.79	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	149+06.28	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	151+02.64	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	154+26.74	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	156+20.40	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	158+23.98	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	160+26.93	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	162+22.07	RAMP N	10'	1-225	45'	STANDARD RDWY	14' FROM EOP	LT	715-511-145
XXX	X-X	164+32.56	RAMP N	12'	1-213	40'	STANDARD RDWY	14' FROM EOP	LT	715-511-140
XXX	X-X	166+32.78	RAMP N	12'	1-213	40'	STANDARD RDWY	14' FROM EOP	LT	715-511-140
XXX	X-X	168+31.73	RAMP N	12'	1-213	40'	STANDARD RDWY	14' FROM EOP	LT	715-511-140
XXX	X-X	170+30.67	RAMP N	12'	1-213	40'	STANDARD RDWY	14' FROM EOP	LT	715-511-140
RAMP P										
XXX	X-X	3708+66.25	RAMP P	6'	1-279	40'	PEDESTAL	BRIDGE	LT	715-515-140
XXX	X-X	3710+86.21	RAMP P	6'	1-279	40'	PEDESTAL	WALL COPING	LT	715-515-140
XXX	X-X	3713+25.87	RAMP P	6'	1-279	40'	PEDESTAL	WALL COPING	LT	715-515-140
XXX	X-X	3715+56.80	RAMP P	6'	1-279	40'	PEDESTAL	WALL COPING	LT	715-515-140
XXX	X-X	3717+52.37	RAMP P	6'	1-279	40'	PEDESTAL	WALL COPING	LT	715-515-140
RAMP R										
XXX	X-X	3508+08.75	RAMP R	12'	1-279	45'	STANDARD RDWY	5' BEHIND GUARDRAIL	RT	715-511-145
XXX	X-X	3510+37.26	RAMP R	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	3512+65.46	RAMP R	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
XXX	X-X	3514+88.80	RAMP R	12'	1-279	45'	PEDESTAL	WALL COPING	RT	715-515-145
SAND LAKE ROAD										
XXX	X-X	205+33.44	WBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	LT	715-511-145
XXX	X-X	305+38.11	EBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	RT	715-511-145
XXX	X-X	207+05.15	WBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	LT	715-511-145
XXX	X-X	306+71.57	EBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	RT	715-511-145
XXX	X-X	208+60.12	WBSLR	10'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-145
XXX	X-X	308+59.83	EBSLR	10'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
XXX	X-X	209+31.63	WBSLR	10'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-145
XXX	X-X	309+42.27	EBSLR	10'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
XXX	X-X	213+97.91	WBSLR	10'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-145
XXX	X-X	314+53.82	EBSLR	10'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
XXX	X-X	215+18.12	WBSLR	10'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	LT	715-511-145
XXX	X-X	315+23.99	EBSLR	10'	1-225	45'	STANDARD RDWY	4' BEHIND FOC	RT	715-511-145
XXX	X-X	216+78.37	WBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	LT	715-511-145
XXX	X-X	316+64.30	EBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	RT	715-511-145
XXX	X-X	218+62.11	WBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	LT	715-511-145
XXX	X-X	318+65.62	EBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	RT	715-511-145
XXX	X-X	220+66.67	WBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	LT	715-511-145
XXX	X-X	320+62.51	EBSLR	10'	1-225	45'	STANDARD RDWY	BACK OF SIDEWALK	RT	715-511-145
XXX	X-X	322+25.90	EBSLR	10'	1-225	45'	STANDARD RDWY	BEHIND SIDEWALK	RT	715-511-145

REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING DATA TABLE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-11
					SR 400	ORANGE	444315-1-52-01		

UNDER DECK DATA

LIGHT NO.	CIRCUIT	STATION	BASELINE	SIDE	OFFSET	LUMINAIRE # - WATT	MOUNTING HEIGHT	MOUNTING TYPE	PAY ITEM
I - 4									
UD-1	X-X	2314+07.93	RAMP M2	RT	15.50'	1-78	19'	PENDANT	715-11-27
UD-2	X-X	2315+03.70	RAMP M2	RT	12.21'	1-78	19'	PENDANT	715-11-27
UD-3	X-X	2315+19.05	RAMP M2	RT	9.12'	1-78	19'	PENDANT	715-11-27
UD-4	X-X	2316+06.52	RAMP M2	RT	8.52'	1-78	19'	PENDANT	715-11-27
UD-5	X-X	4213+31.23	WBGL	LT	17.26'	1-78	19'	PENDANT	715-11-27
UD-6	X-X	4214+12.18	WBGL	LT	17.16'	1-78	19'	PENDANT	715-11-27
UD-7	X-X	4214+44.09	WBGL	LT	16.94'	1-78	19'	PENDANT	715-11-27
UD-8	X-X	4215+30.14	WBGL	LT	17.45'	1-78	19'	PENDANT	715-11-27
UD-9	X-X	7214+39.14	EBGL	LT	82.85'	1-78	19'	PENDANT	715-11-27
UD-10	X-X	7215+20.61	EBGL	LT	82.38'	1-78	19'	PENDANT	715-11-27
UD-11	X-X	7215+53.23	EBGL	LT	82.64'	1-78	19'	PENDANT	715-11-27
UD-12	X-X	7216+39.28	EBGL	LT	82.58'	1-78	19'	PENDANT	715-11-27
UD-13	X-X	7214+39.14	EBGL	LT	10.87'	1-78	19'	PENDANT	715-11-27
UD-14	X-X	7215+21.32	EBGL	LT	11.27'	1-78	19'	PENDANT	715-11-27
UD-15	X-X	7215+50.41	EBGL	LT	11.05'	1-78	19'	PENDANT	715-11-27
UD-16	X-X	7216+36.82	EBGL	LT	11.39'	1-78	19'	PENDANT	715-11-27
RAMP M									
UD-17	X-X	1334+35.45	RAMP M	RT	13.21'	1-104	15'	WALL	715-11-115
UD-18	X-X	1335+14.16	RAMP M	RT	4.24'	1-104	15'	WALL	715-11-115
UD-19	X-X	1336+01.99	RAMP M	LT	7.27'	1-104	15'	WALL	715-11-115
UD-20	X-X	1336+90.70	RAMP M	LT	17.75'	1-104	15'	WALL	715-11-115
UD-21	X-X	1337+77.80	RAMP M	LT	29.85'	1-104	15'	WALL	715-11-115
UD-22	X-X	1336+02.25	RAMP M	RT	39.21'	1-104	15'	WALL	715-11-115
UD-23	X-X	1336+90.46	RAMP M	RT	27.68'	1-104	15'	WALL	715-11-115
UD-24	X-X	1337+78.28	RAMP M	RT	16.00'	1-104	15'	WALL	715-11-115
UD-25	X-X	1338+68.61	RAMP M	RT	3.48'	1-104	15'	WALL	715-11-115
UD-26	X-X	152+19.55	RAMP N	RT	11.74'	1-78	17'	PENDANT	715-11-27
UD-27	X-X	153+12.55	RAMP N	RT	9.97'	1-78	17'	PENDANT	715-11-27
RAMP P									
UD-28	X-X	3708+15.29	RAMP P	RT	14.14'	1-104	15'	WALL	715-11-115
UD-29	X-X	3708+37.23	RAMP P	LT	7.54'	1-104	15'	WALL	715-11-115
UD-30	X-X	3709+62.31	RAMP P	RT	16.05'	1-104	15'	WALL	715-11-115
UD-31	X-X	3709+91.03	RAMP P	LT	7.83'	1-104	15'	WALL	715-11-115

SIGNAL LUMINAIRE DATA

LIGHT NO.	STRUCTURE NO.	STATION	BASELINE	SIDE	DIST. OR ARM	LUMINAIRE # - WATT	MOUNTING HEIGHT	INTERSECTION	PAY ITEM
XXX		99+88.60	SR 482	LT	12'	1-225	40'	SAND LAKE/TURKEY LAKE	715-5-31
XXX		99+99.51	SR 482	RT	12'	1-225	40'	SAND LAKE/TURKEY LAKE	715-5-31
XXX		101+48.89	SR 482	RT	12'	1-225	40'	SAND LAKE/TURKEY LAKE	715-5-31
XXX		101+31.35	SR 482	LT	12'	1-225	40'	SAND LAKE/TURKEY LAKE	715-5-31

SEE SIGNAL PLANS FOR ADDITIONAL INFORMATION

PEDESTRIAN POLE DATA

POLE NO.	CIRCUIT	STATION	BASELINE	SIDE	LUMINAIRE # - WATT	MOUNTING HEIGHT	MOUNTING TYPE	FOUNDATION	DIRECTION	POLE SETBACK	PAY ITEM
SAND LAKE ROAD											
XXX	X-X	208+35.12	WBSLR	LT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	WB	FRONT OF SIDEWALK	715-516-115
XXX	X-X	208+78.35	WBSLR	LT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	WB	BEHIND SIDEWALK	715-516-115
XXX	X-X	209+29.55	WBSLR	LT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	WB	FRONT OF SIDEWALK	715-516-115
XXX	X-X	308+19.98	EBSLR	RT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	EB	FRONT OF SIDEWALK	715-516-115
XXX	X-X	308+76.97	EBSLR	RT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	EB	BEHIND SIDEWALK	715-516-115
XXX	X-X	309+38.93	EBSLR	RT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	EB	FRONT OF SIDEWALK	715-516-115
XXX	X-X	214+28.93	WBSLR	LT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	WB	FRONT OF SIDEWALK	715-516-115
XXX	X-X	214+95.42	WBSLR	LT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	WB	BEHIND SIDEWALK	715-516-115
XXX	X-X	215+51.42	WBSLR	LT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	WB	FRONT OF SIDEWALK	715-516-115
XXX	X-X	314+39.43	EBSLR	RT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	EB	FRONT OF SIDEWALK	715-516-115
XXX	X-X	314+98.10	EBSLR	RT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	EB	BEHIND SIDEWALK	715-516-115
XXX	X-X	315+42.77	EBSLR	RT	1-110	14'	TOP MOUNT	GALV. STEEL ANCHOR BOLTS	EB	FRONT OF SIDEWALK	715-516-115

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: DeeAngela R. Tjikueni
P.E. License No. 68301
Jacobs Engineering Group, Inc.
200 S. Orange Avenue, Suite 900
Orlando, FL 32801
PH (407) 903-5001

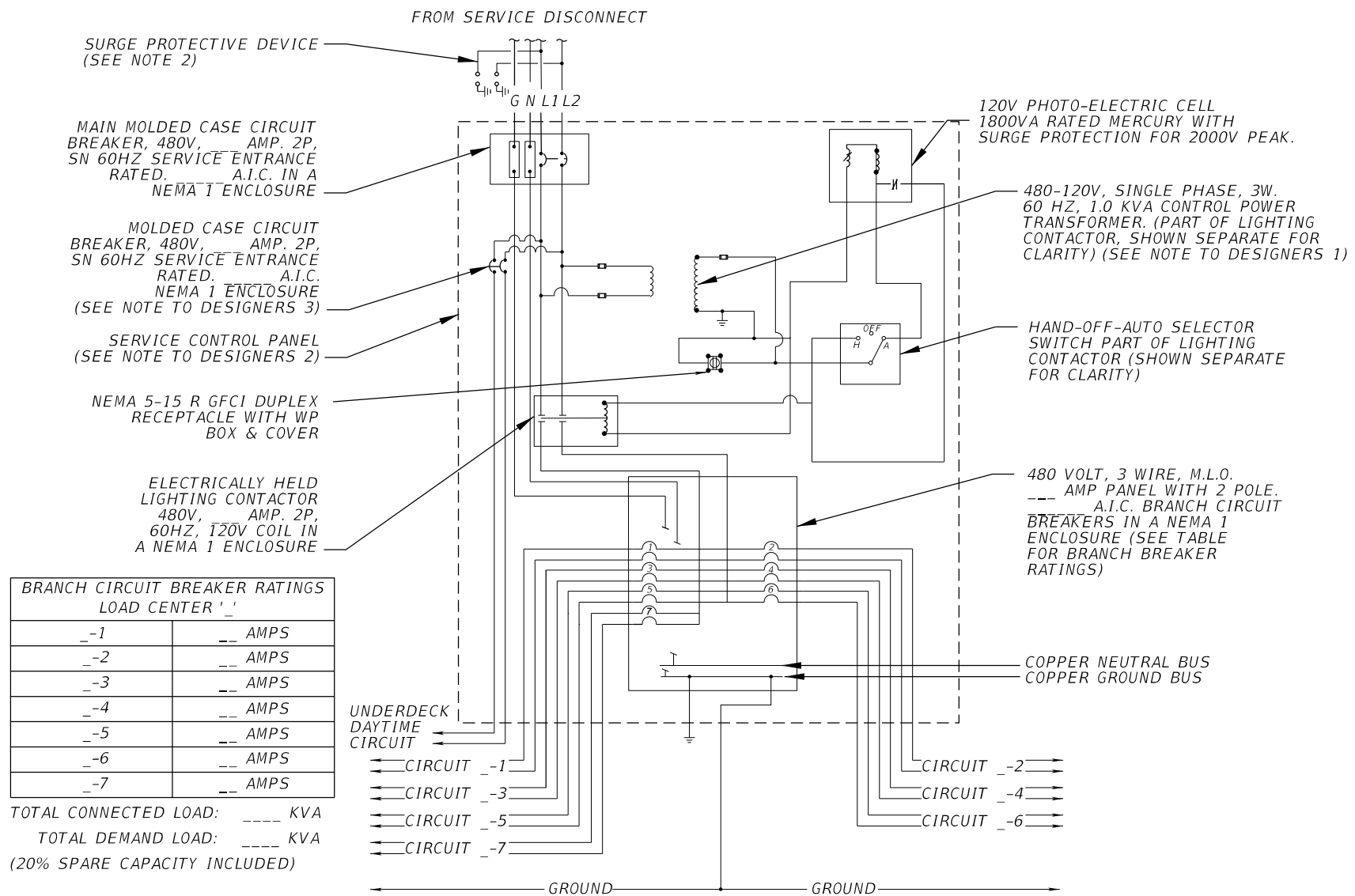
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING DATA TABLE

SHEET NO.

L-12

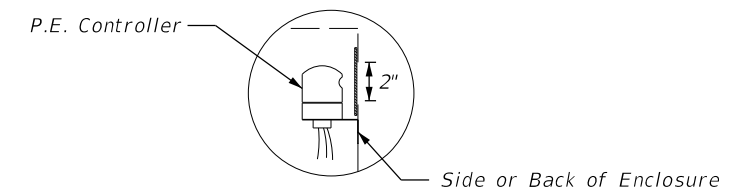


LOAD CENTER SCHEMATIC DIAGRAM

N.T.S.

NOTES:

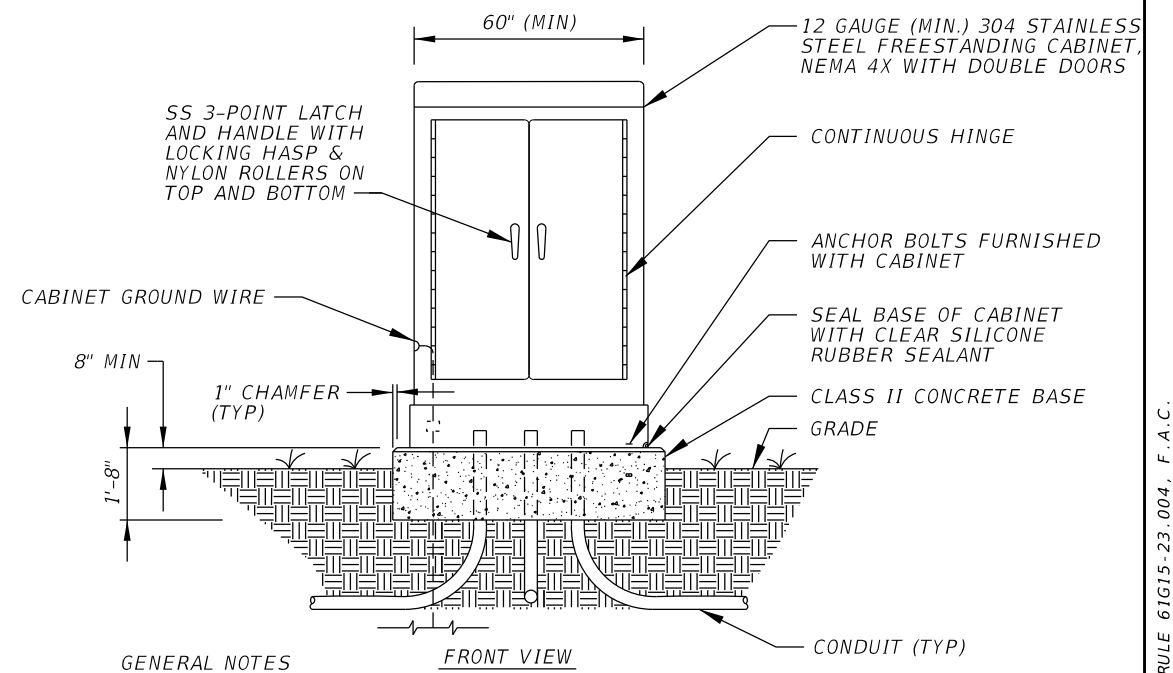
- CONTRACTOR SHALL FURNISH ENCLOSURE SIZED FOR THE EQUIPMENT (SEE ENCLOSURE DETAIL THIS SHEET).
- SURGE PROTECTIVE DEVICE (SPD): SPD UNIT SHALL BE WIRED INSIDE THE ENCLOSURE. SPD UNIT SHALL BE MOUNTED ON THE OUTSIDE OF THE ENCLOSURE.
- SHOP DRAWINGS REQUIRED FOR ALL EQUIPMENT ASSOCIATED WITH THE LOAD CENTER.



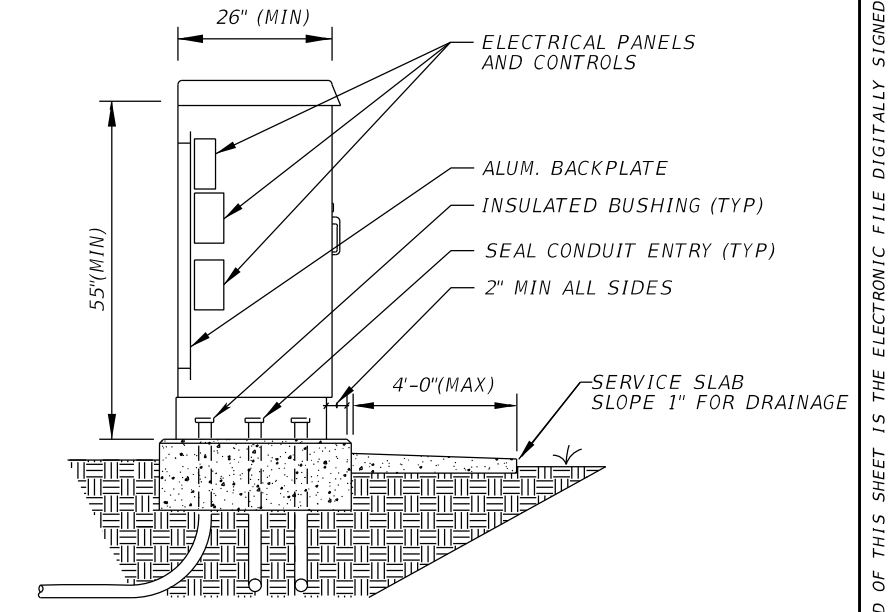
CUT A 2" HOLE IN THE SIDE OF THE LIGHTING CONTROL PANEL ENCLOSURE FOR THE OPERATION AND MOUNTING OF THE P.E. CONTROLLER. USE PLEXIGLASS AND A CLEAR SILICONE SEALANT TO COVER HOLE, INSTALL P.E. CONTROLLER.

PHOTO ELECTRIC CONTROLLER DETAIL

N.T.S.



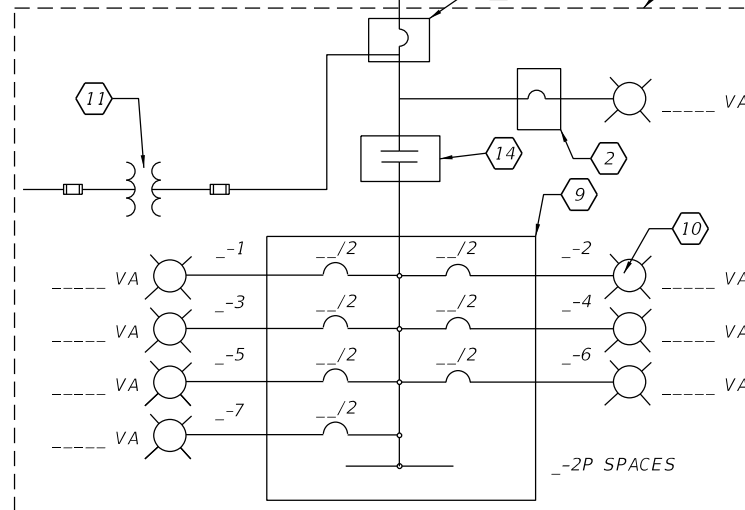
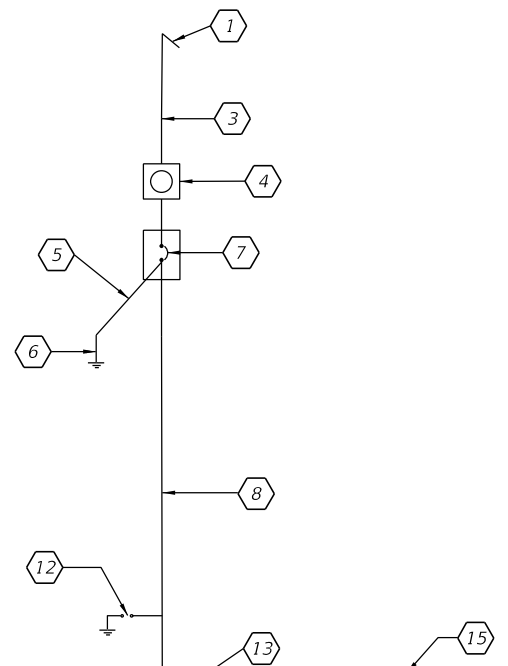
- STUB-OUT ONE (1) SPARE 2" PVC CONDUIT BELOW GRADE AND BEYOND CONCRETE BASE. CAP ENDS AND INDICATE LOCATION OF STUB-OUT INSIDE CABINET



LOAD CENTER ENCLOSURE DETAIL

N.T.S.

REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. L-13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 400	ORANGE	444315-1-52-01	

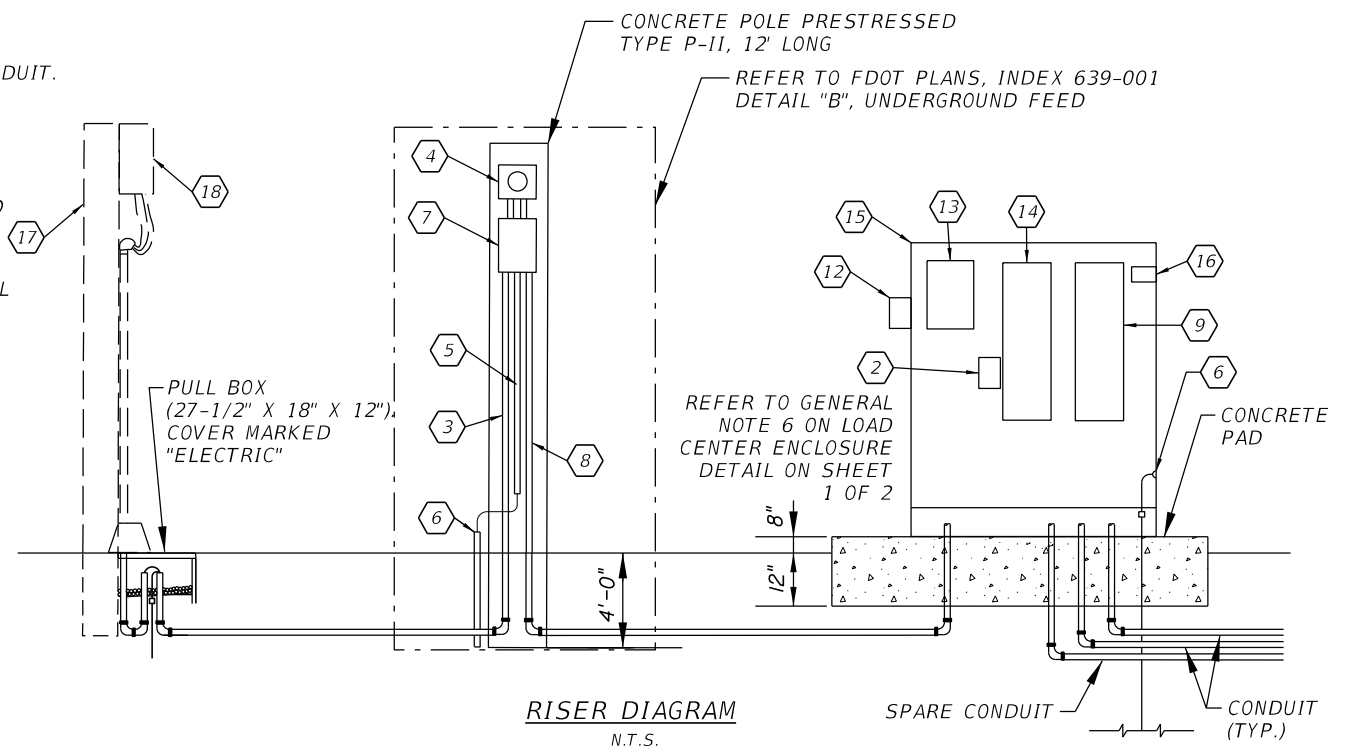


TOTAL CONNECTED LOAD: ____ KVA
 TOTAL DEMAND LOAD: ____ KVA

ONE LINE DIAGRAM
 N.T.S.

KEYED NOTES

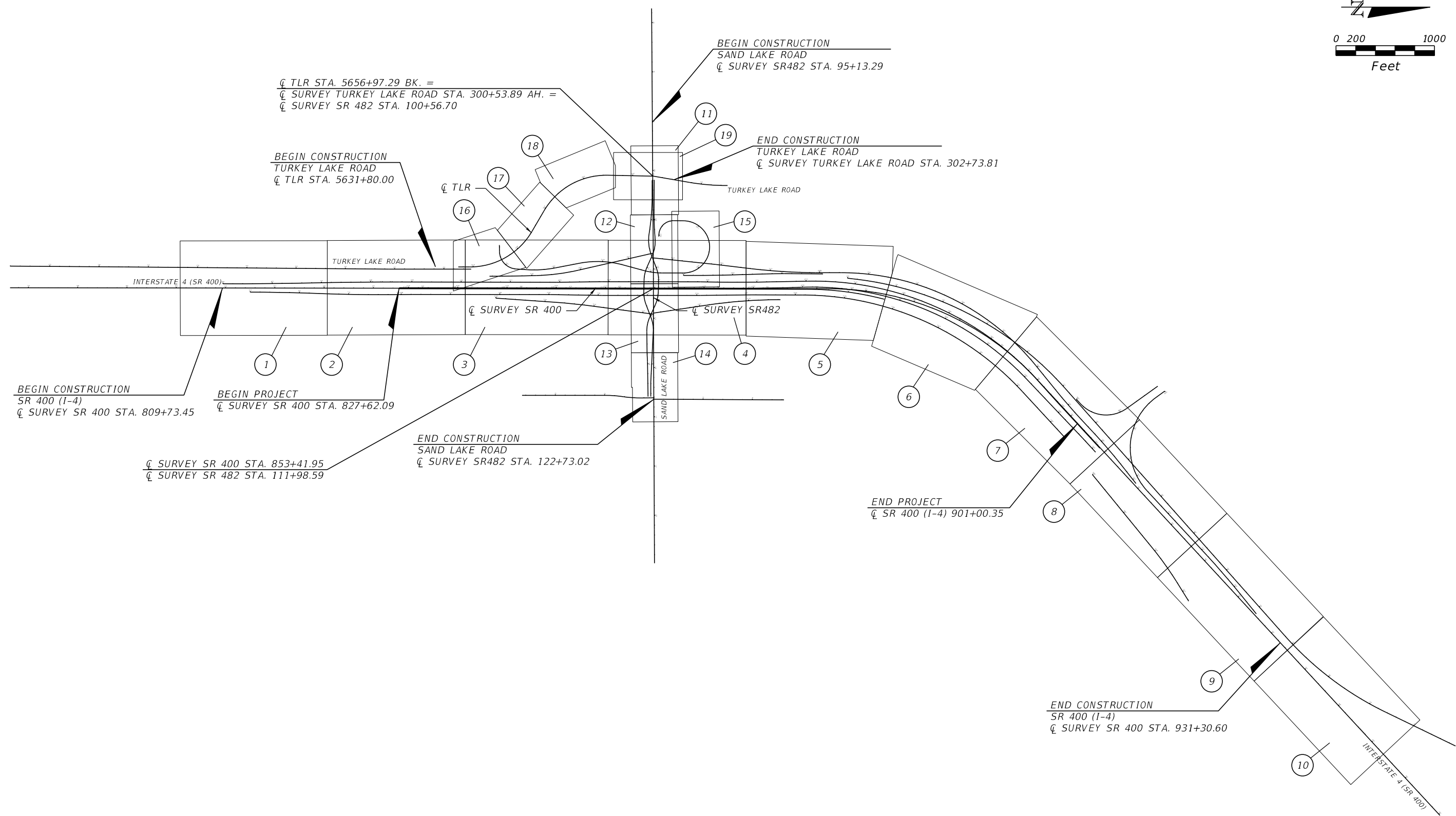
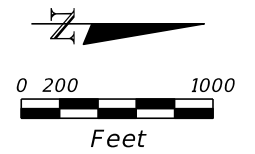
- 1 240/480 V SINGLE PHASE 3-WIRE "DUKE ENERGY" ELECTRIC SERVICE. SAFETY SWITCH ON SERVICE SIDE OF METER WHEN REQUIRED BY DUKE ENERGY.
- 2 480V, ____ AMP ENCLOSED BREAKER.
- 3 2# ____ AWG & 1# ____ AWG (N) IN ____ RIGID GALVANIZED STEEL CONDUIT.
- 4 METER AS REQUIRED. HEIGHT SPECIFIED BY DUKE ENERGY.
- 5 1# ____ AWG INSULATED COPPER GROUND WIRE IN 1" RIGID GALVANIZED STEEL CONDUIT.
- 6 #6 INSULATED COPPER GROUND WIRE TO COPPER CLAD GROUND ROD, MIN. 5/8" DIA. 40' LONG.
- 7 480V ENCLOSED BREAKER NEMA 3R SERVICE ENTRANCE RATED WITH NEUTRAL AND GROUND KITS. BOND THE SERVICE NEUTRAL TO GROUND.
- 8 2# ____ AWG, 1# ____ AWG (N), & 1# ____ AWG (G) IN ____ RIGID GALVANIZED STEEL CONDUIT.
- 9 PANEL BOARD, ____ AMP, 480V, SINGLE PHASE, 3-WIRE WITH CIRCUIT BREAKERS AND GROUND BAR AS INDICATED.
- 10 ROADWAY LUMINAIRE CONNECTED TO CIRCUIT ____-2.
- 11 CONTROL TRANSFORMER 1 KVA SINGLE PHASE, 480V PRIMARY 120V SECONDARY.
- 12 SURGE PROTECTIVE DEVICE (SPD).
- 13 MAIN CIRCUIT BREAKER ____ AMPS, 2-POLE, 480V, ____ AIC.
- 14 ____ AMP, 2-POLE, ELECTRICALLY HELD CONTACTOR.
- 15 FREE STANDING NEMA 4X STAINLESS STEEL ENCLOSURE WITH TWO DOORS.
- 16 PHOTOELECTRIC SWITCH.
- 17 "DUKE ENERGY" CONCRETE SERVICE POLE.
- 18 "DUKE ENERGY" TRANSFORMER.



RISER DIAGRAM
 N.T.S.

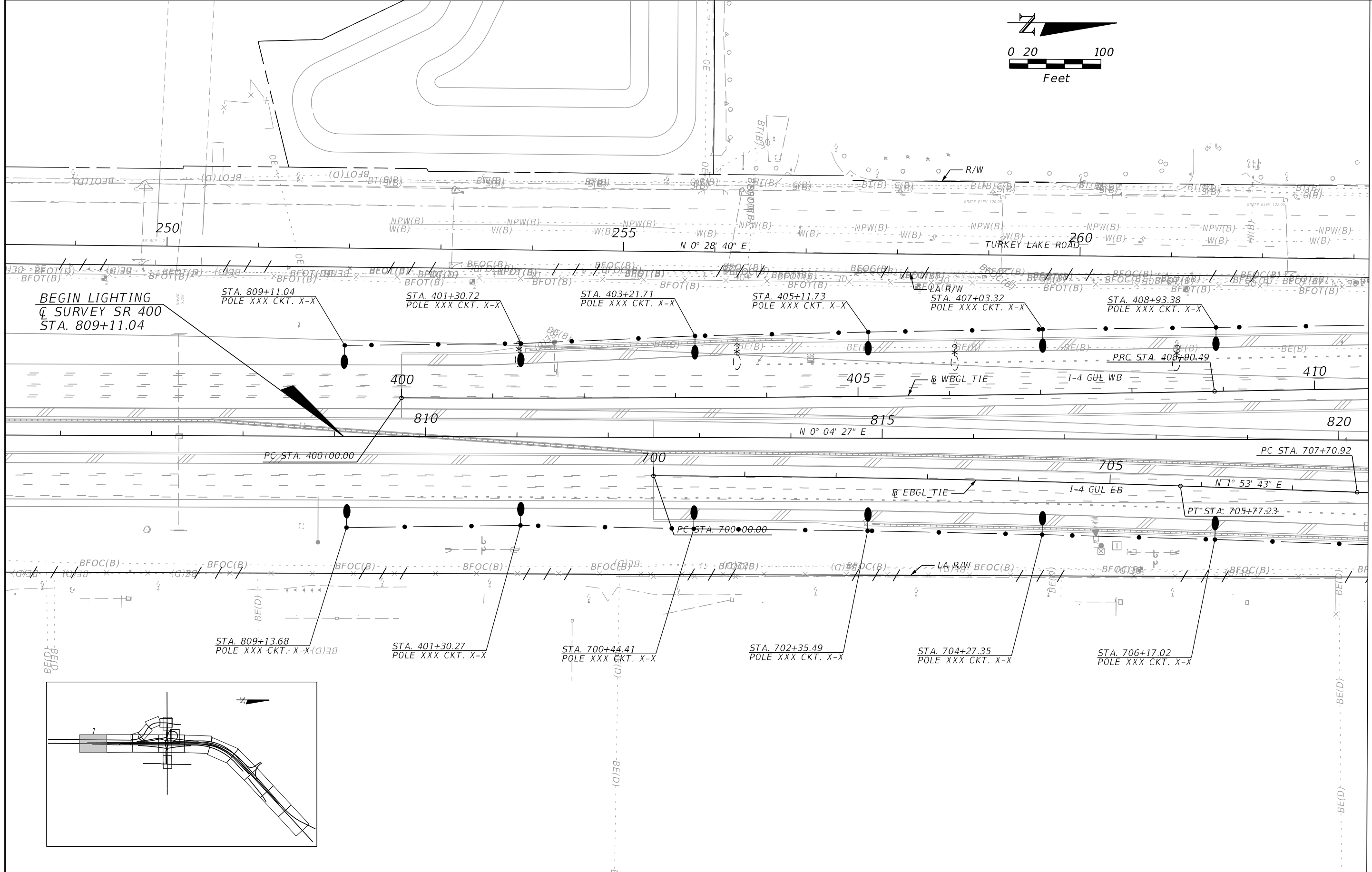
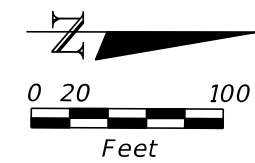
REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SERVICE POINT DETAILS	SHEET NO. L-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 400	ORANGE		444315-1-52-01

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REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT SHEET NO. L-15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 400	ORANGE	444315-1-52-01	

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BEGIN LIGHTING
 Q SURVEY SR 400
 STA. 809+11.04

STA. 809+11.04
 POLE XXX CKT. X-X

STA. 401+30.72
 POLE XXX CKT. X-X

STA. 403+21.71
 POLE XXX CKT. X-X

STA. 405+11.73
 POLE XXX CKT. X-X

STA. 407+03.32
 POLE XXX CKT. X-X

STA. 408+93.38
 POLE XXX CKT. X-X

STA. 809+13.68
 POLE XXX CKT. X-X

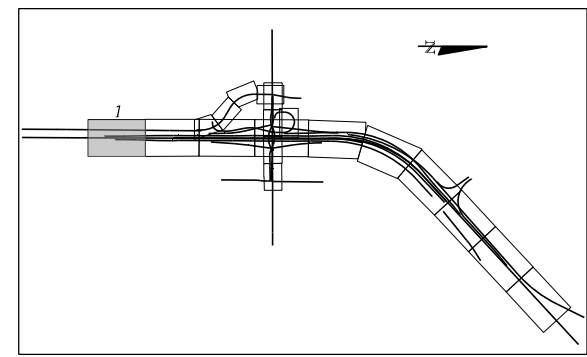
STA. 401+30.27
 POLE XXX CKT. X-X

STA. 700+44.41
 POLE XXX CKT. X-X

STA. 702+35.49
 POLE XXX CKT. X-X

STA. 704+27.35
 POLE XXX CKT. X-X

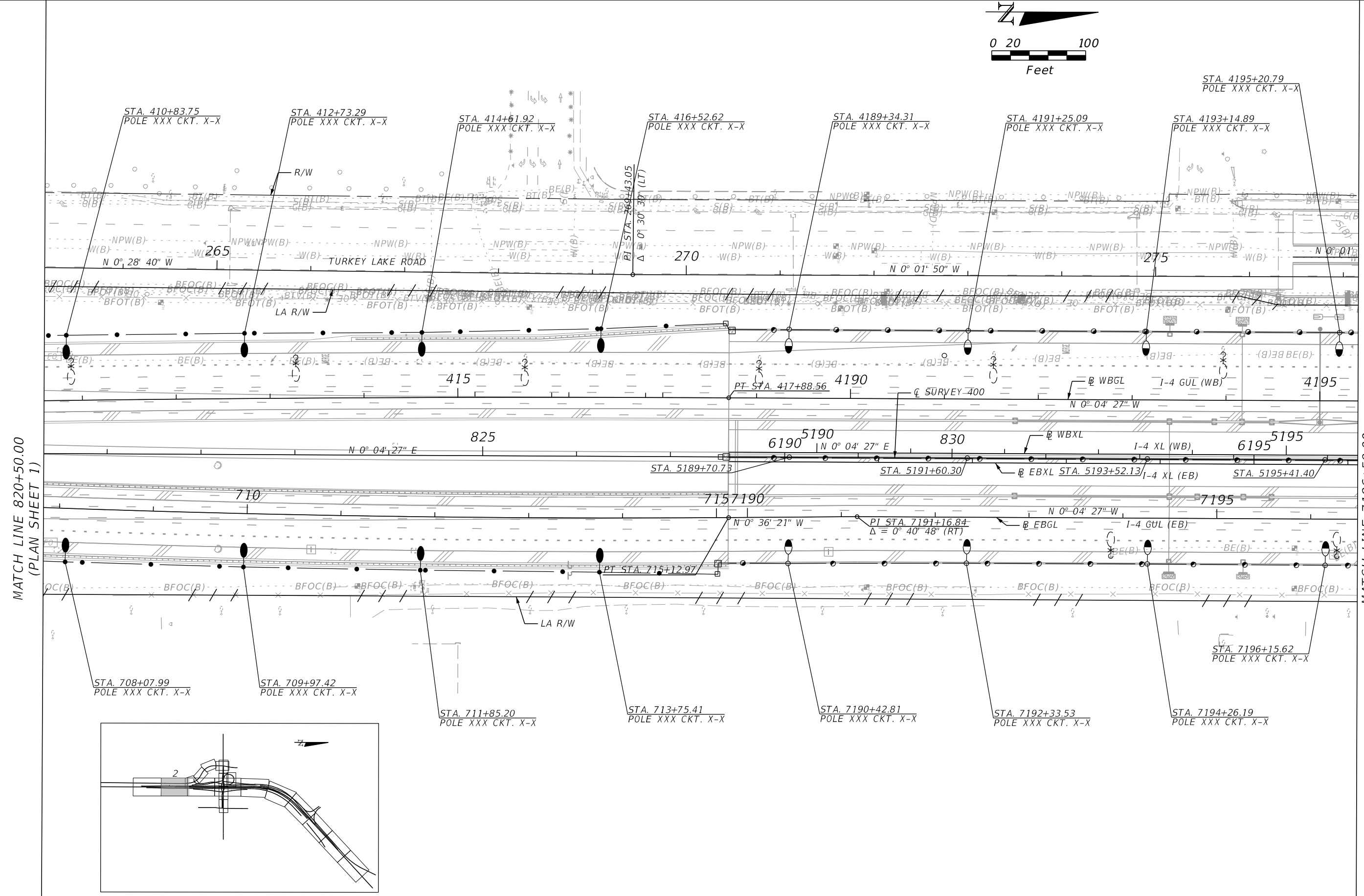
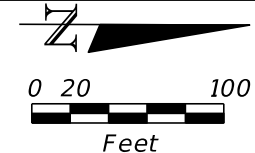
STA. 706+17.02
 POLE XXX CKT. X-X



MATCH LINE 820+50.00
(PLAN SHEET 2)

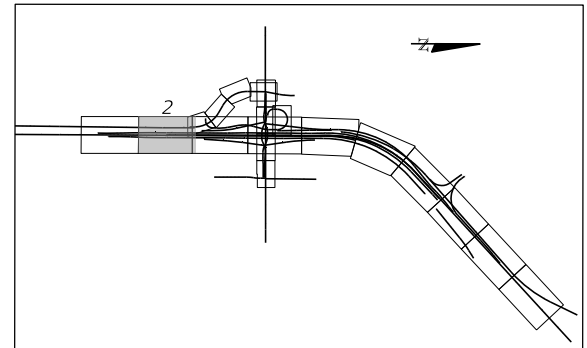
REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (1) SR 400 (I-4)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 400	ORANGE		444315-1-52-01

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MATCH LINE 820+50.00
(PLAN SHEET 1)

MATCH LINE 7196+50.00
(PLAN SHEET 3)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

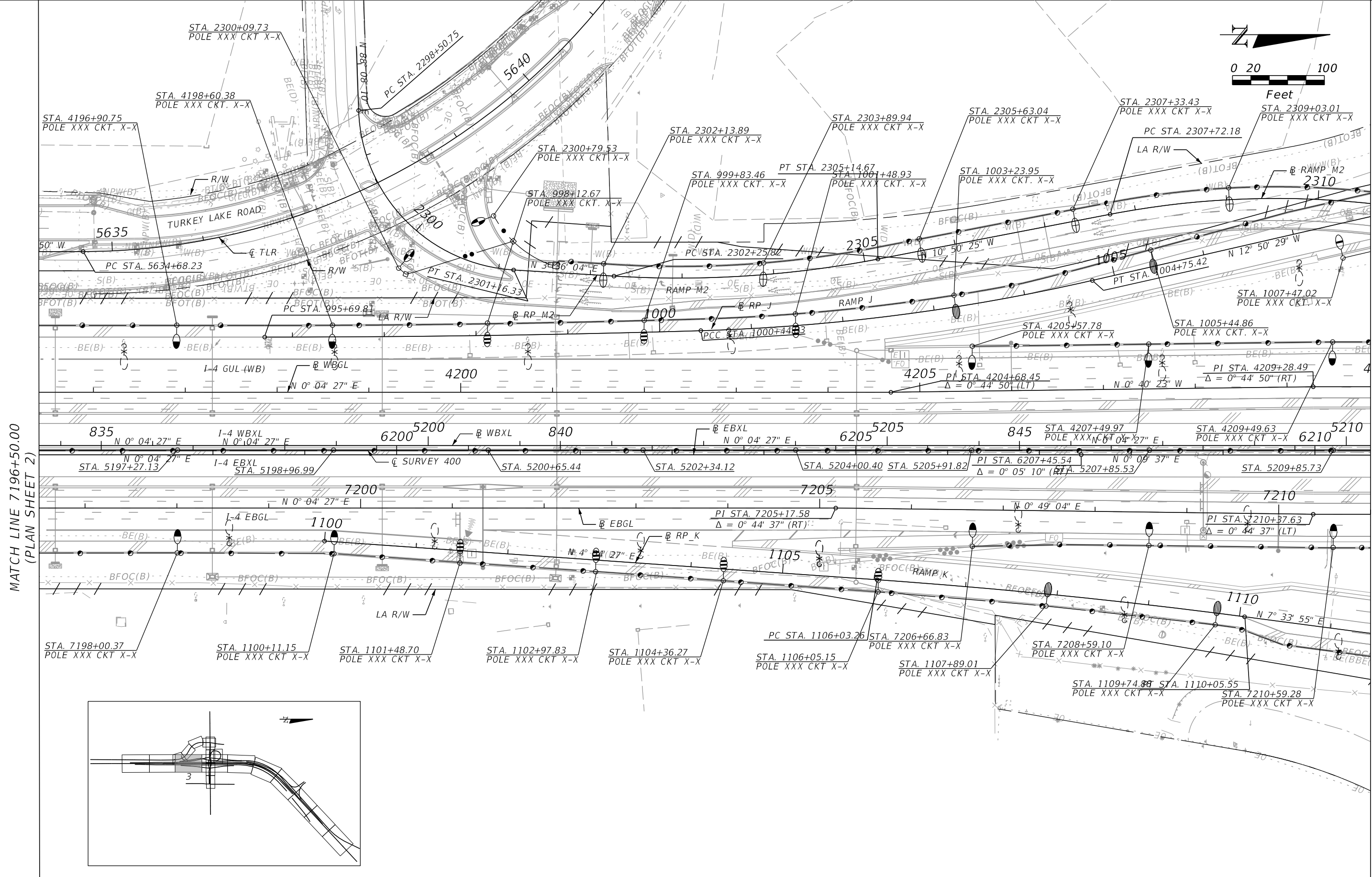
Engineer of Record: DeeAngela R. Tjikueni
 P.E. License No. 68301
 Jacobs Engineering Group, Inc.
 200 S. Orange Avenue, Suite 900
 Orlando, FL 32801
 PH (407) 903-5001

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (2)
SR 400 (I-4)

SHEET NO.
L-17

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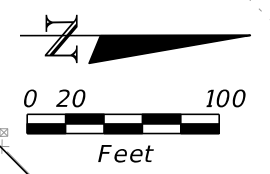
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: DeeAngela R. Tjikueni
 P.E. License No. 68301
 Jacobs Engineering Group, Inc.
 200 S. Orange Avenue, Suite 900
 Orlando, FL 32801
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

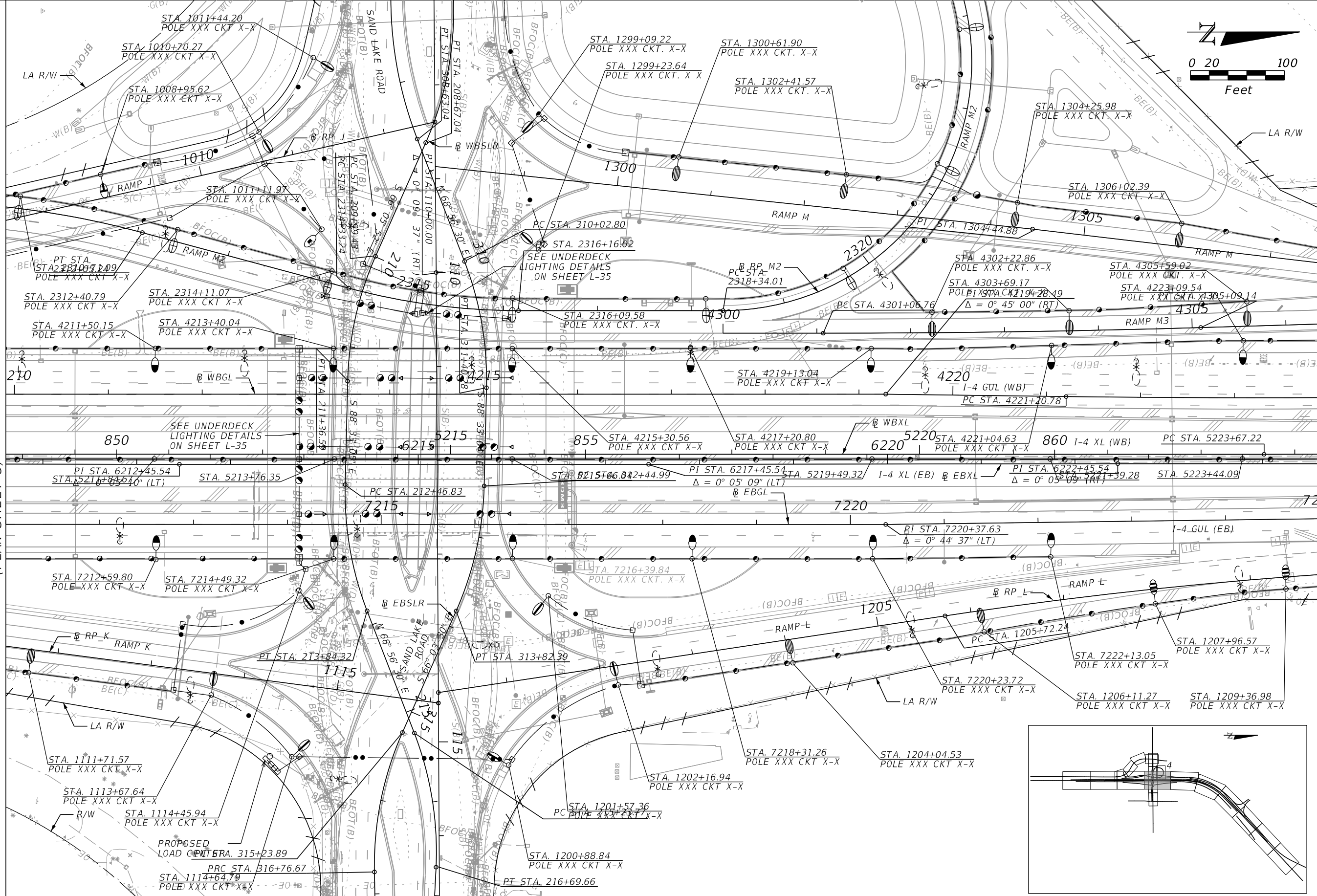
LIGHTING PLAN (3)
SR 400 (I-4)

SHEET NO.
L-18



MATCH LINE 7211+00.00
(PLAN SHEET 3)

MATCH LINE 7225+00.00
(PLAN SHEET 5)



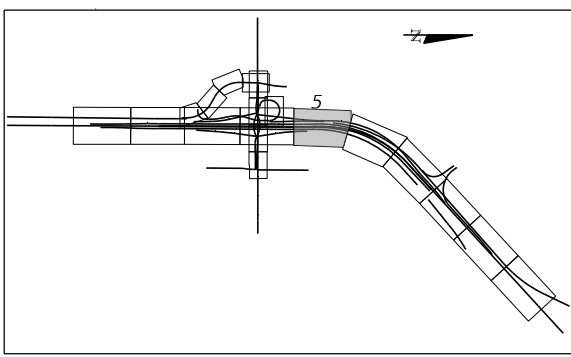
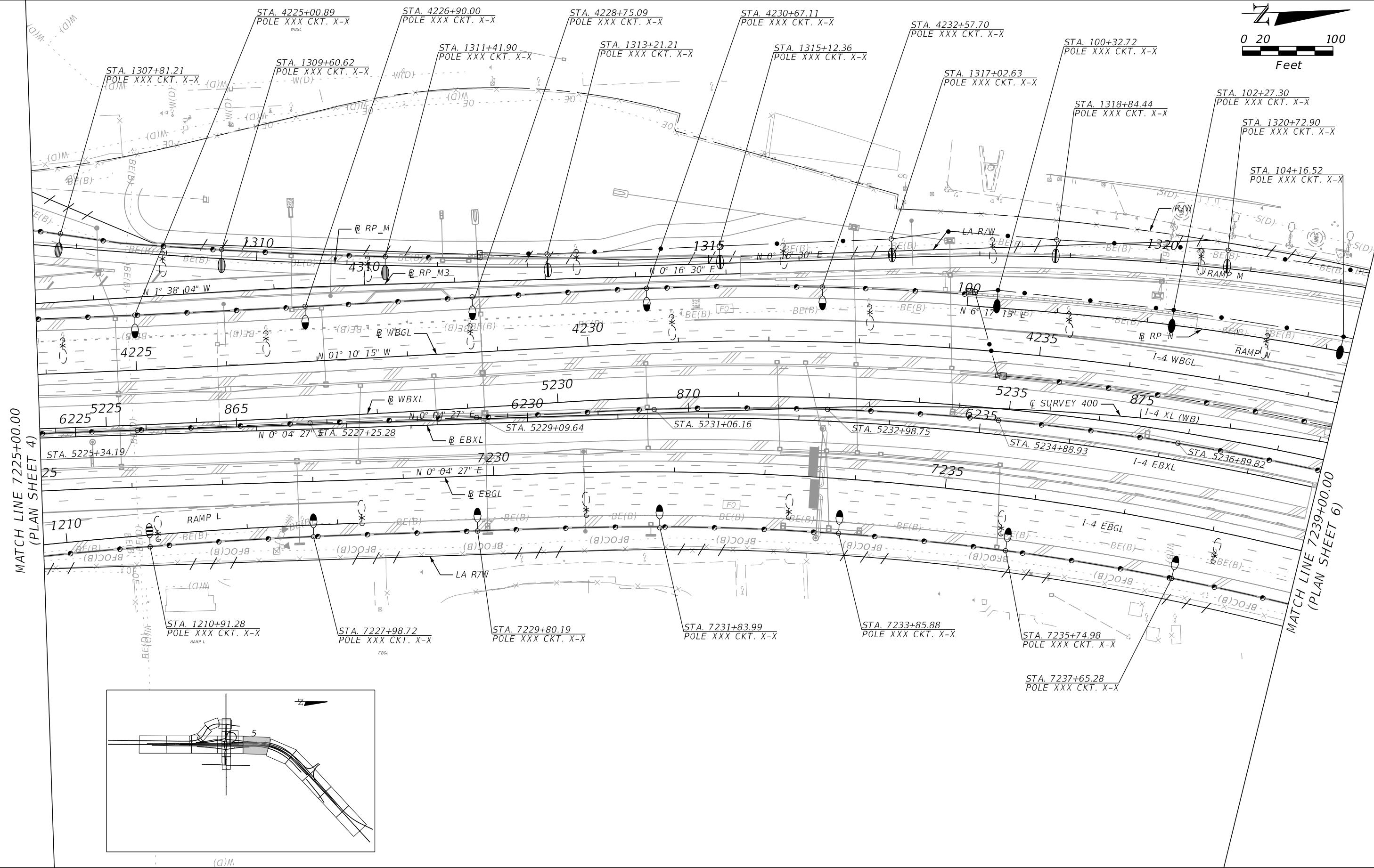
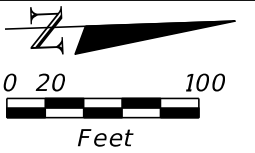
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: DeeAngela R. Tjikueni
 P.E. License No. 68301
 Jacobs Engineering Group, Inc.
 200 S. Orange Avenue, Suite 900
 Orlando, FL 32801
 PH (407) 903-5001

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (4)
SR 400 (I-4)

SHEET NO.
L-19



MATCH LINE 7225+00.00
(PLAN SHEET 4)

MATCH LINE 7239+00.00
(PLAN SHEET 6)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

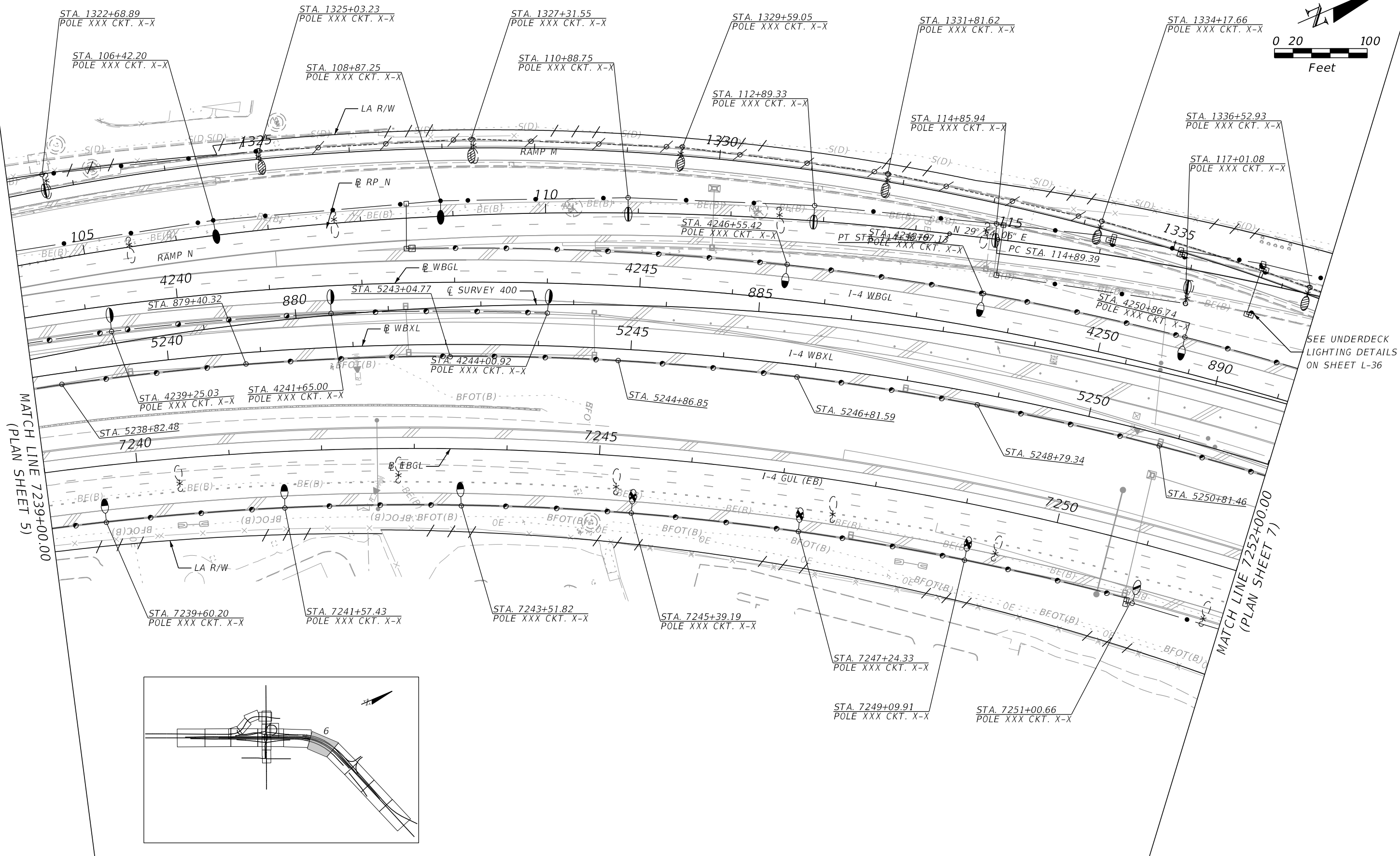
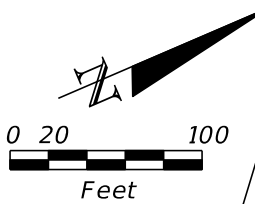
Engineer of Record: DeeAngela R. Tjikueni
 P.E. License No. 68301
 Jacobs Engineering Group, Inc.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (5)
SR 400 (I-4)

SHEET NO.
L-20

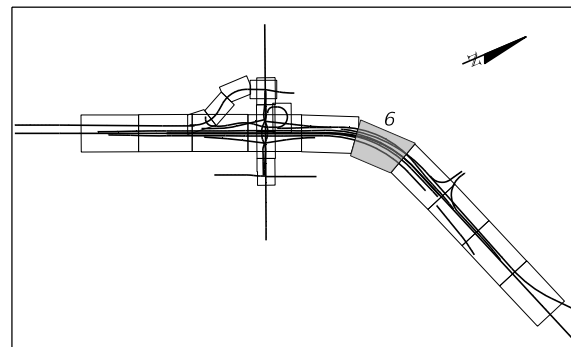
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SEE UNDERDECK LIGHTING DETAILS ON SHEET L-36

MATCH LINE 7239+00.00 (PLAN SHEET 5)

MATCH LINE 7252+00.00 (PLAN SHEET 7)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

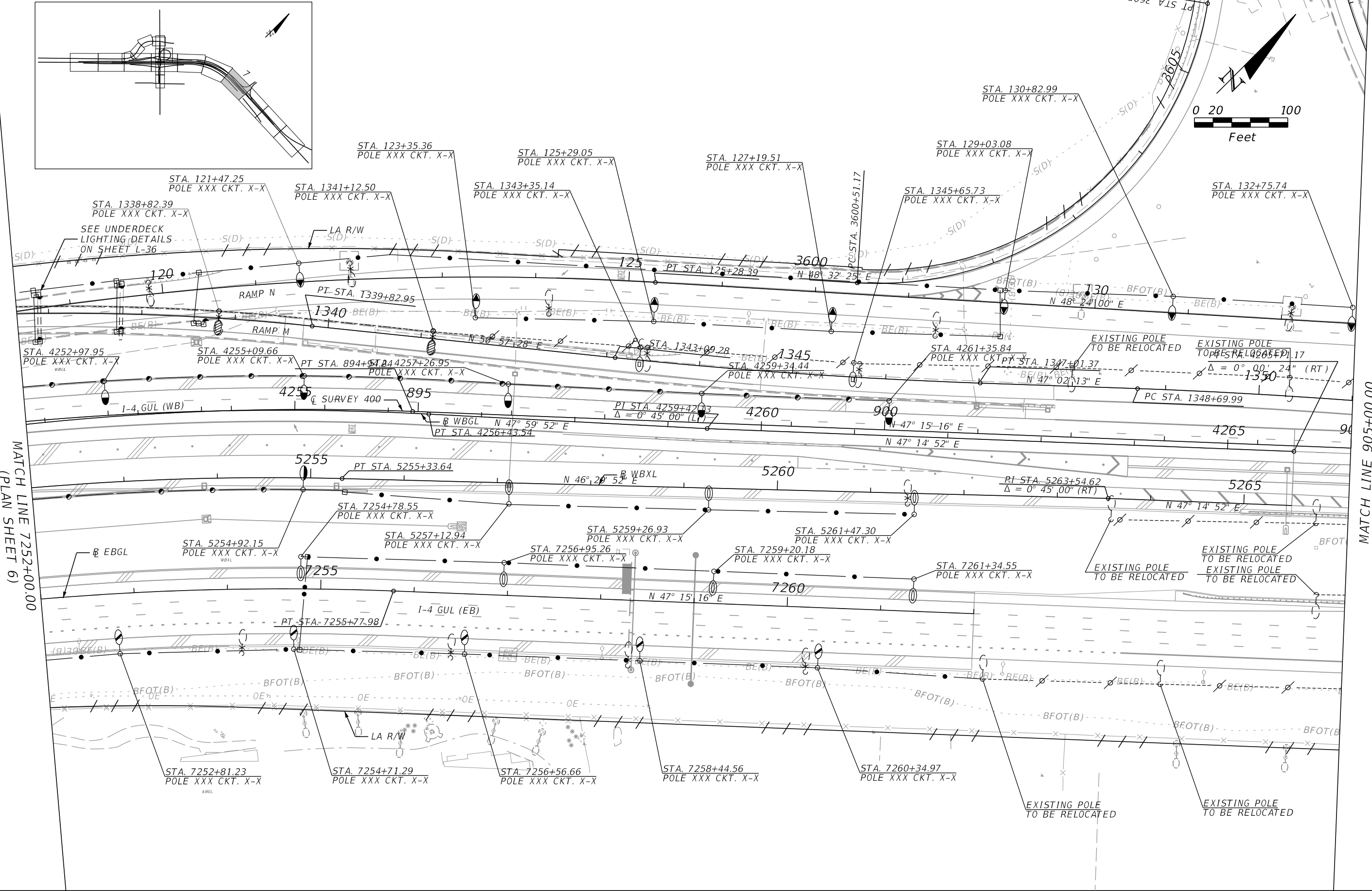
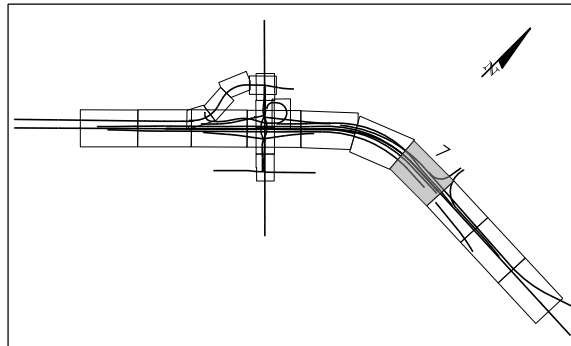
Engineer of Record: DeeAngela R. Tjikueni
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (6)
SR 400 (I-4)

SHEET NO.
L-21

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MATCH LINE 7252+00.00
(PLAN SHEET 6)

MATCH LINE 905+00.00
(PLAN SHEET 8)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

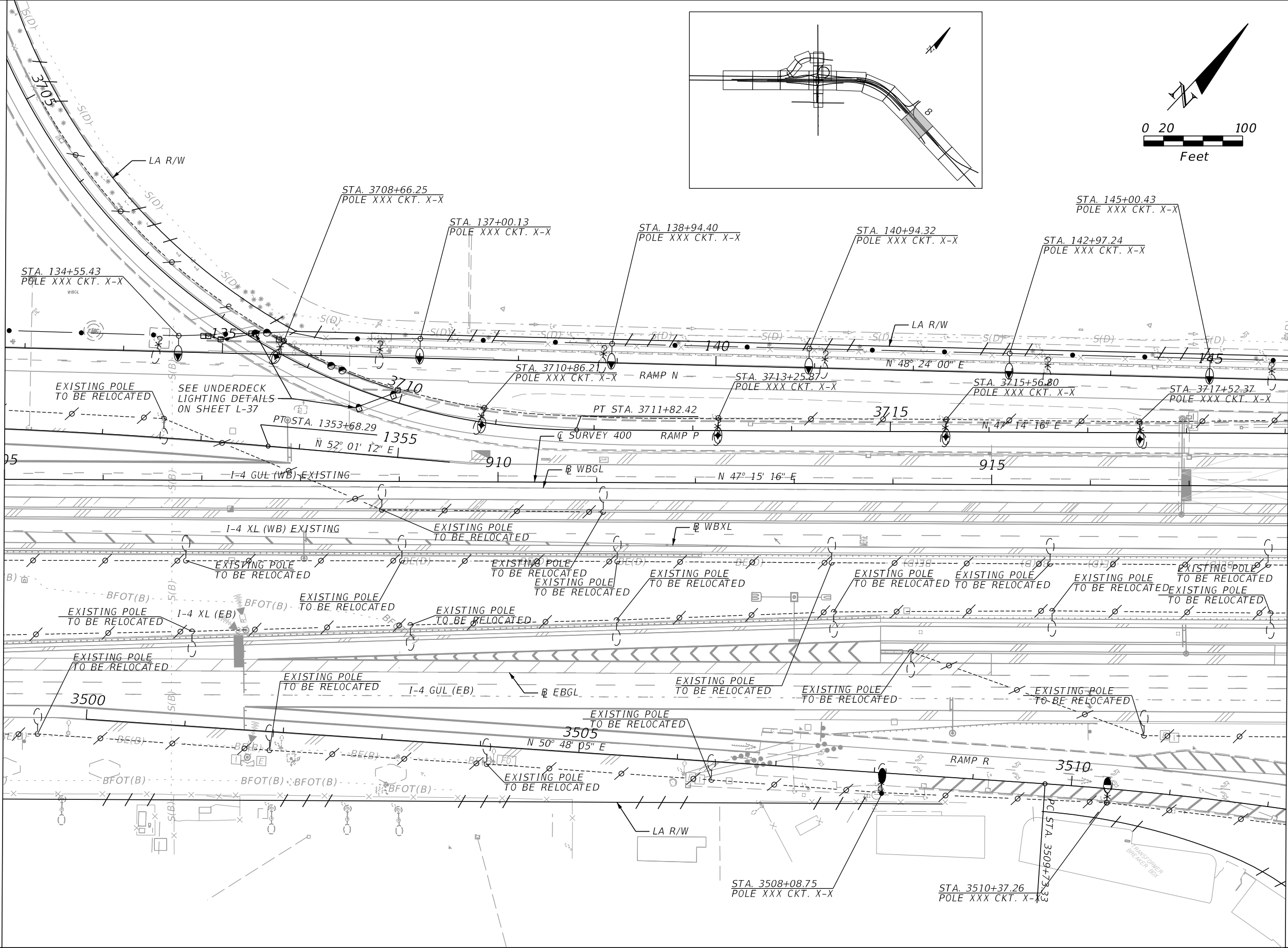
Engineer of Record: DeeAngela R. Tjikueni
 P.E. License No. 68301
 Jacobs Engineering Group, Inc.
 200 S. Orange Avenue, Suite 900
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 PH (407) 903-5001

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (7)
SR 400 (I-4)

SHEET NO.
L-22

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MATCH LINE 905+00.00
(PLAN SHEET 7)

MATCH LINE 918+00.00
(PLAN SHEET 9)

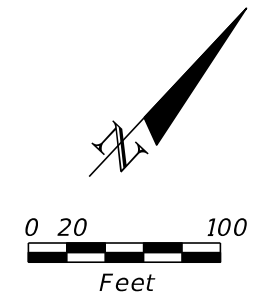
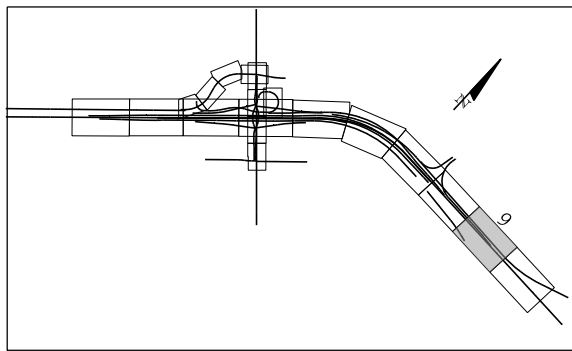
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: DeeAngela R. Tjikueni
 P.E. License No. 68301
 Jacobs Engineering Group, Inc.
 200 S. Orange Avenue, Suite 900
 Orlando, FL 32801
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

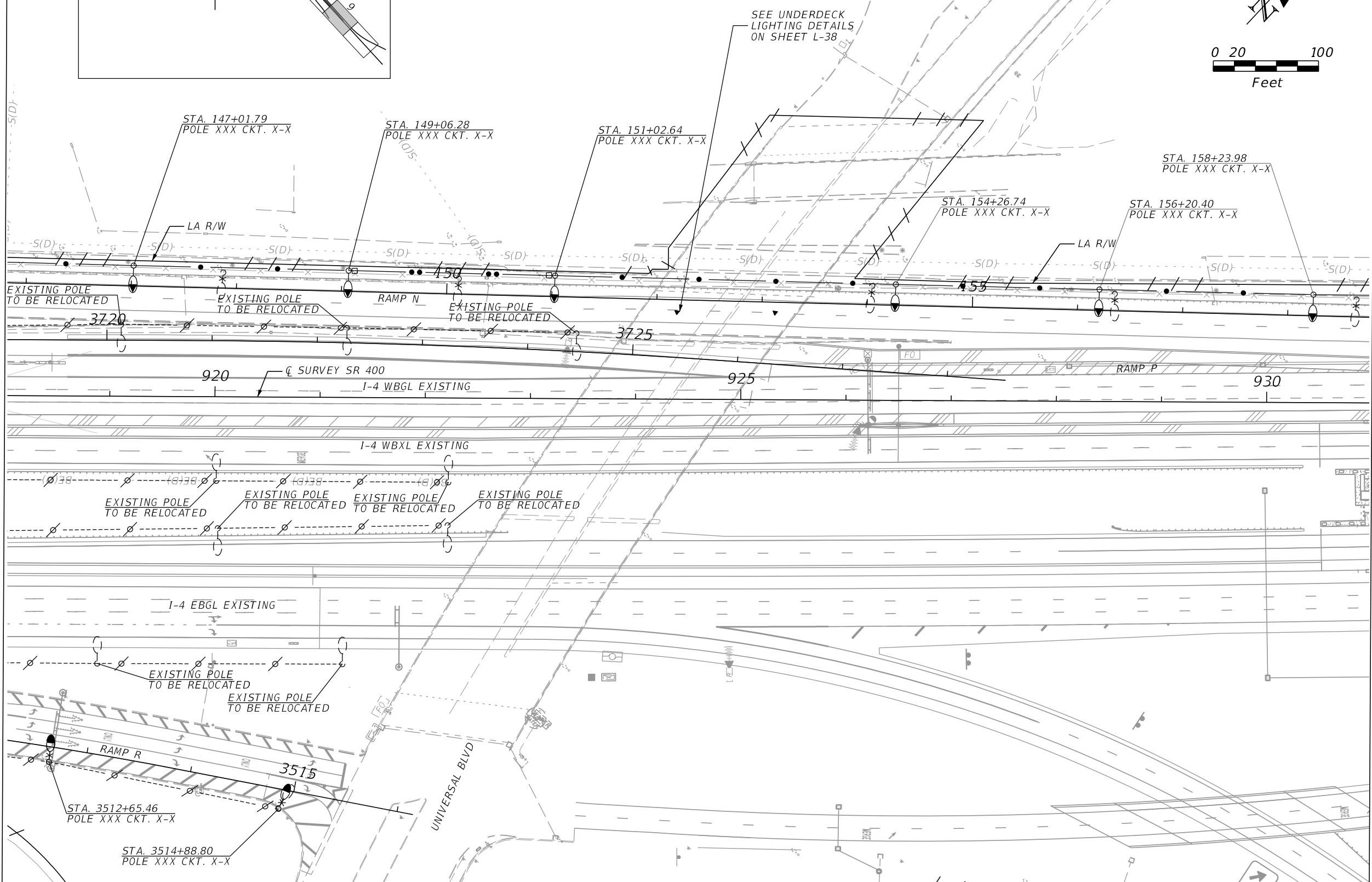
LIGHTING PLAN (8)
SR 400 (I-4)

SHEET NO.
L-23



MATCH LINE 918+00.00
(PLAN SHEET 8)

MATCH LINE 931+00.00
(PLAN SHEET 10)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

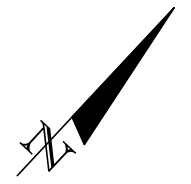
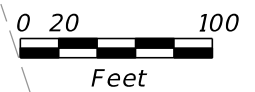
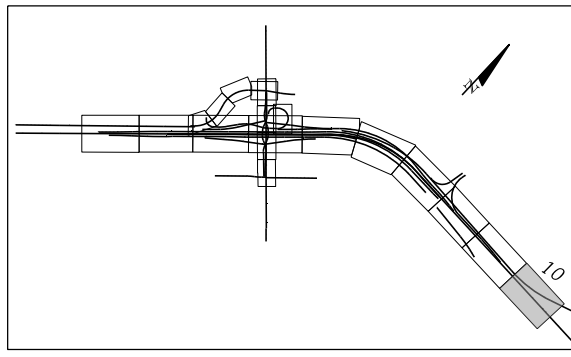
Engineer of Record: DeeAngela R. Tjikueni
 P.E. License No. 68301
 Jacobs Engineering Group, Inc.
 200 S. Orange Avenue, Suite 900
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

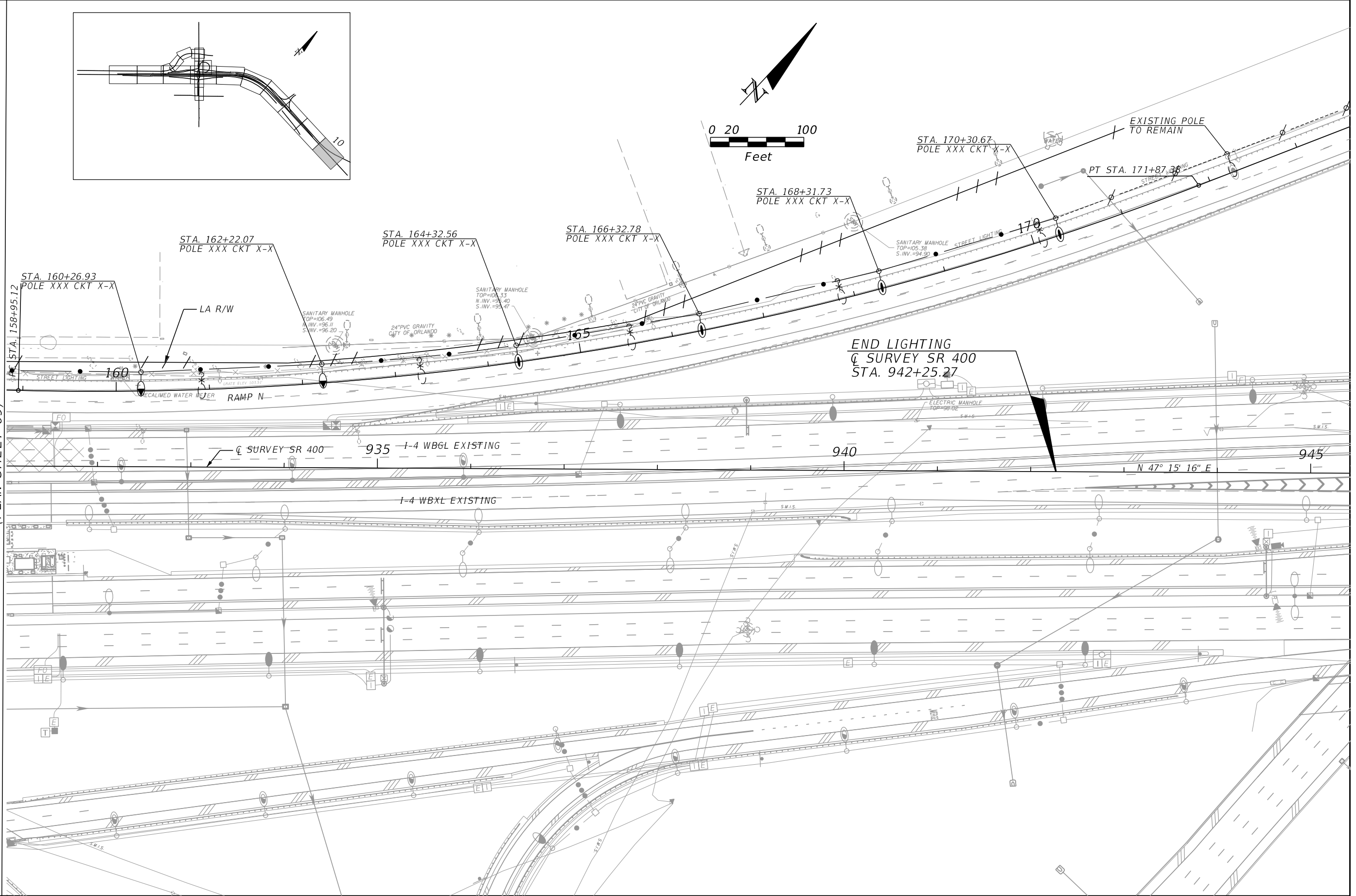
LIGHTING PLAN (9)
SR 400 (I-4)

SHEET NO.
L-24

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MATCH LINE 931+00.00
(PLAN SHEET 09)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

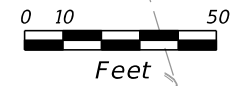
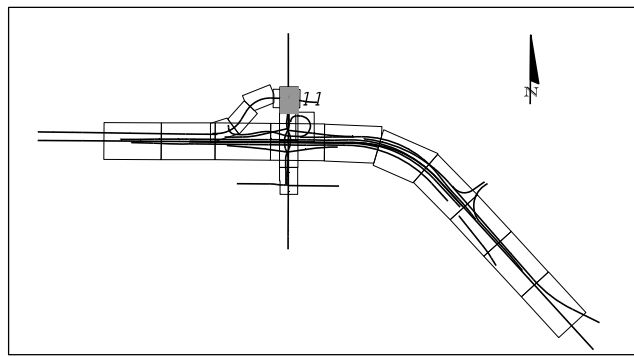
Engineer of Record: DeeAngela R. Tjikueni
 P.E. License No. 68301
 Jacobs Engineering Group, Inc.
 200 S. Orange Avenue, Suite 900
 Orlando, FL 32801
 PH (407) 903-5001

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (10)
SR 400 (I-4)

SHEET NO.
L-25

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BEGIN LIGHTING
SAND LAKE ROAD
SURVEY SR 482
STA. 99+28.44

STA. 99+88.60
MAST ARM MOUNTED CKT. X-X

PROPOSED POLE
INSTALLED BY OTHERS
STA. 99+29.62

STA. 101+31.35
MAST ARM MOUNTED CKT. X-X

PROPOSED POLE
INSTALLED BY OTHERS
STA. 201+83.25

PROPOSED POLE
INSTALLED BY OTHERS
STA. 203+63.76

PROPOSED POLE
INSTALLED BY OTHERS
STA. 99+28.44

STA. 99+99.51
MAST ARM MOUNTED CKT. X-X

PROPOSED POLE
INSTALLED BY OTHERS
STA. 301+83.64

PROPOSED POLE
INSTALLED BY OTHERS
STA. 303+64.99

STA. 101+48.89
MAST ARM MOUNTED CKT. X-X

LEGEND

- DUKE 150W-111 MH 25 UTILITY POLES
- DUKE 150W-111 MH 27 - UTILITY POLES WITH LUMINAIRES
- DUKE 150W-111 MH 30 UTILITY POLES
- DUKE 150W-111 MH 35 - CONCRETE POLES
- DUKE 220W-111 MH40 - ALUMINUM POLES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: DeeAngela R. Tjikueni
P.E. License No. 68301
Jacobs Engineering Group, Inc.
200 S. Orange Avenue, Suite 900
Orlando, FL 32801
PH (407) 903-5001

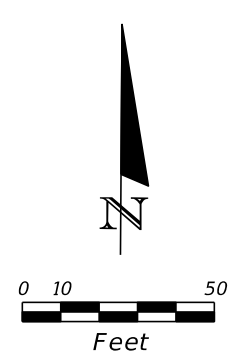
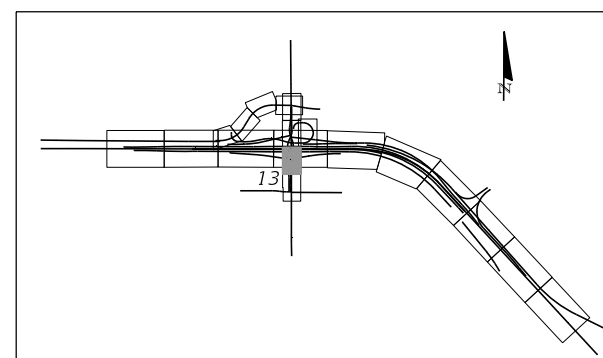
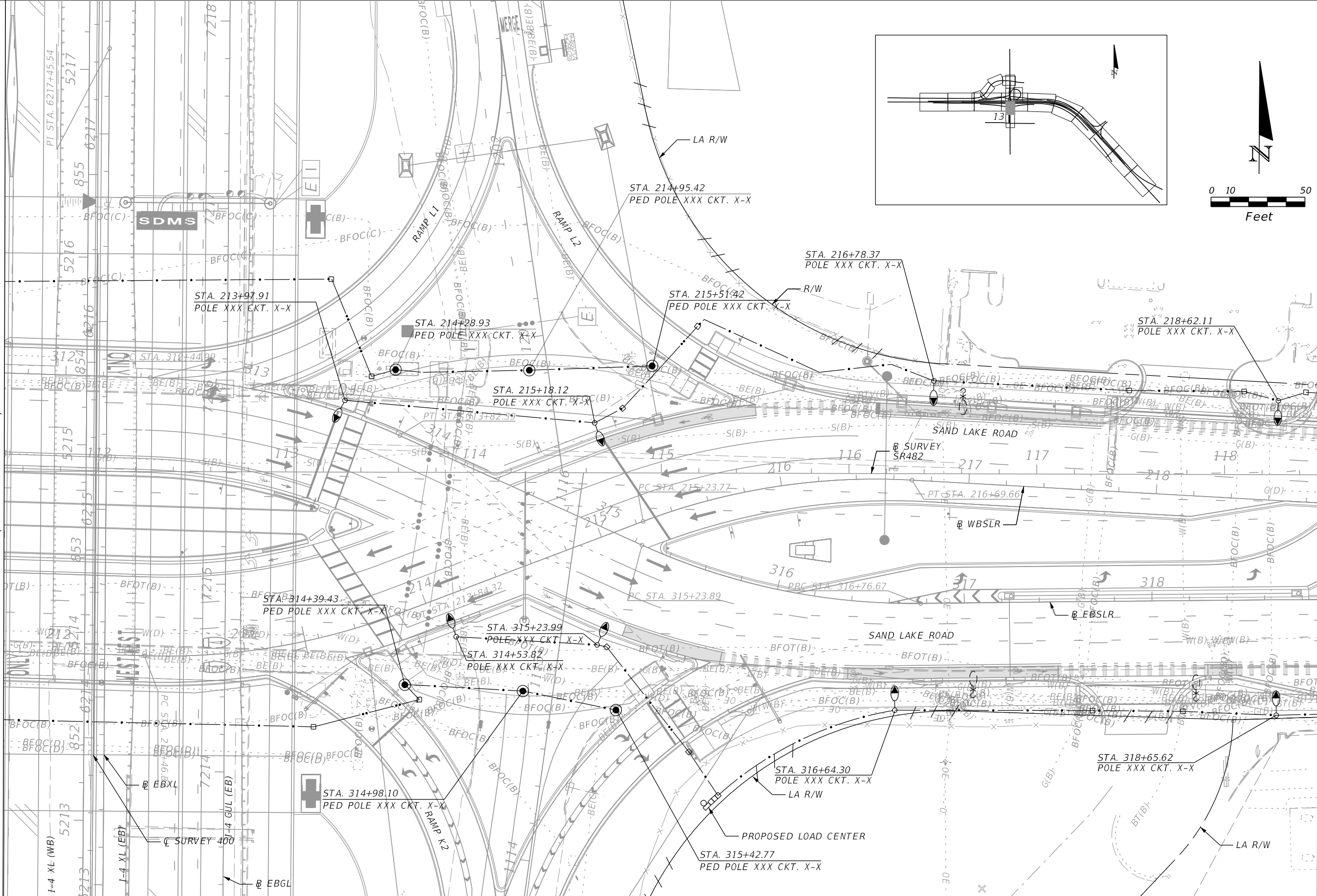
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (11)	
SAND LAKE ROAD	
SHEET NO. L-26	

MATCH LINE 104+50.00
(PLAN SHEET 12)

MATCH LINE 111+50.00
(PLAN SHEET 12)

MATCH LINE 118+50.00
(PLAN SHEET 14)



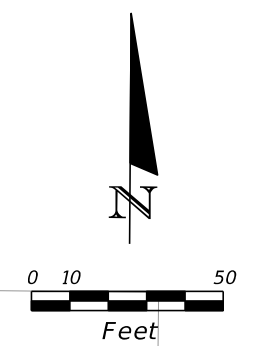
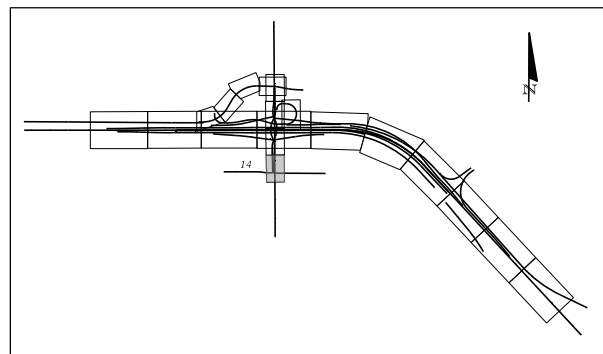
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Engineer of Record: DeeAngela R. Tjikueni
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Orlando, FL 32801
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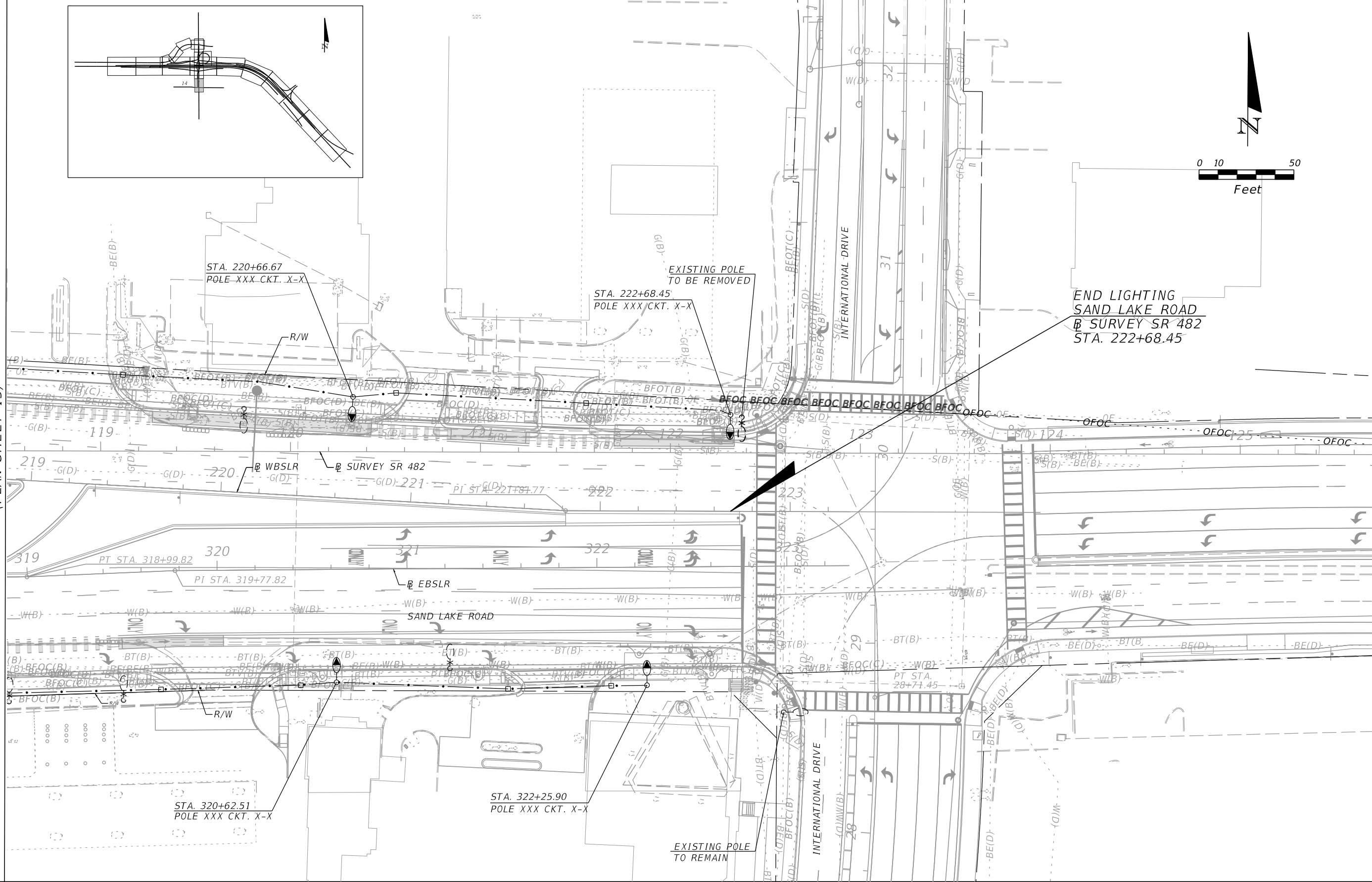
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (13)
SAND LAKE ROAD

SHEET NO.
L-28



MATCH LINE 118+50.00
(PLAN SHEET 13)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

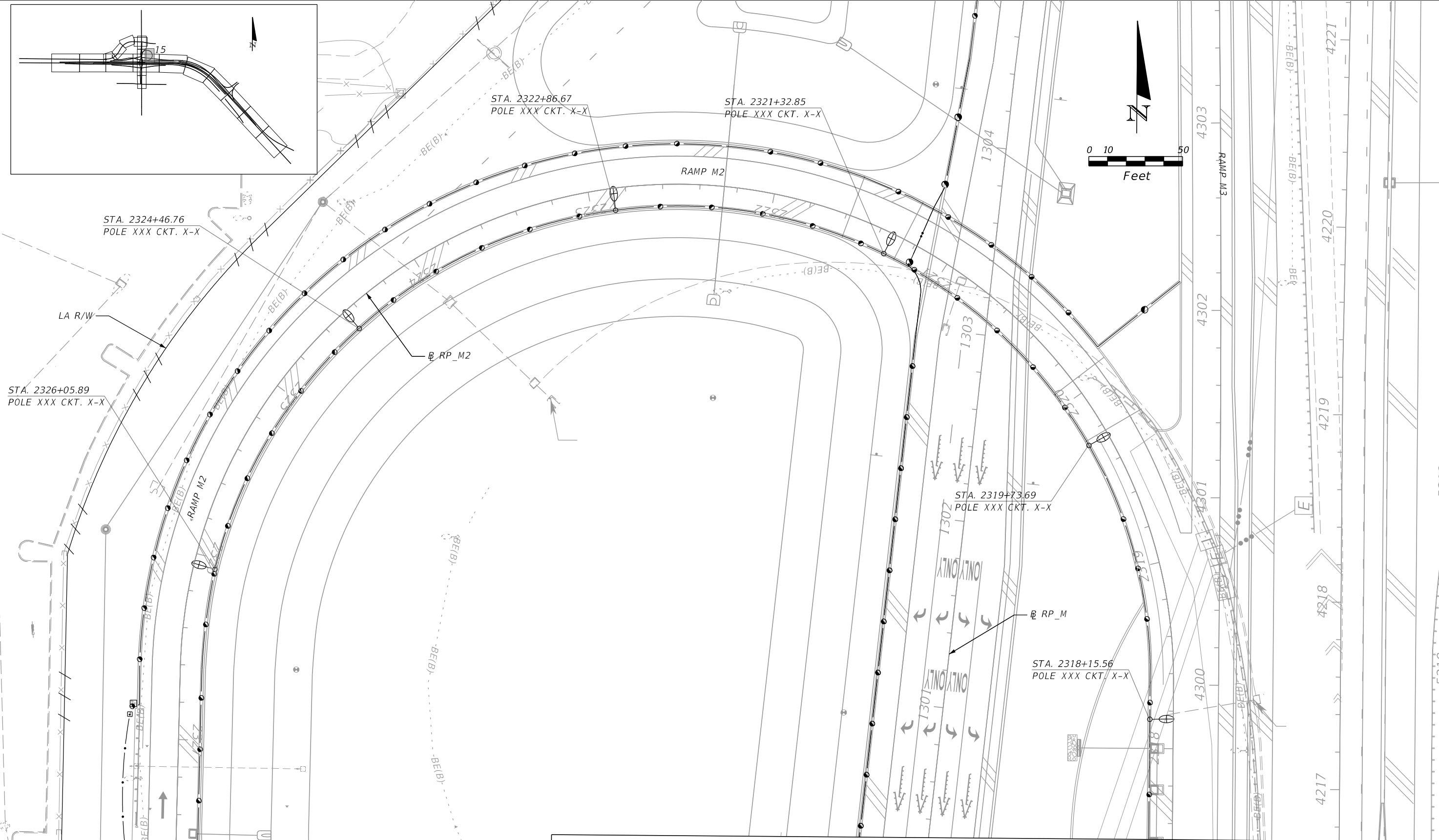
Engineer of Record: DeeAngela R. Tjikueni
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 PH (407) 903-5001

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (14)
SAND LAKE ROAD

SHEET NO.
L-29

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MATCH LINE 2326+00.00
(PLAN SHEET 12)

MATCH LINE 2316+00.00
(PLAN SHEET 12)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

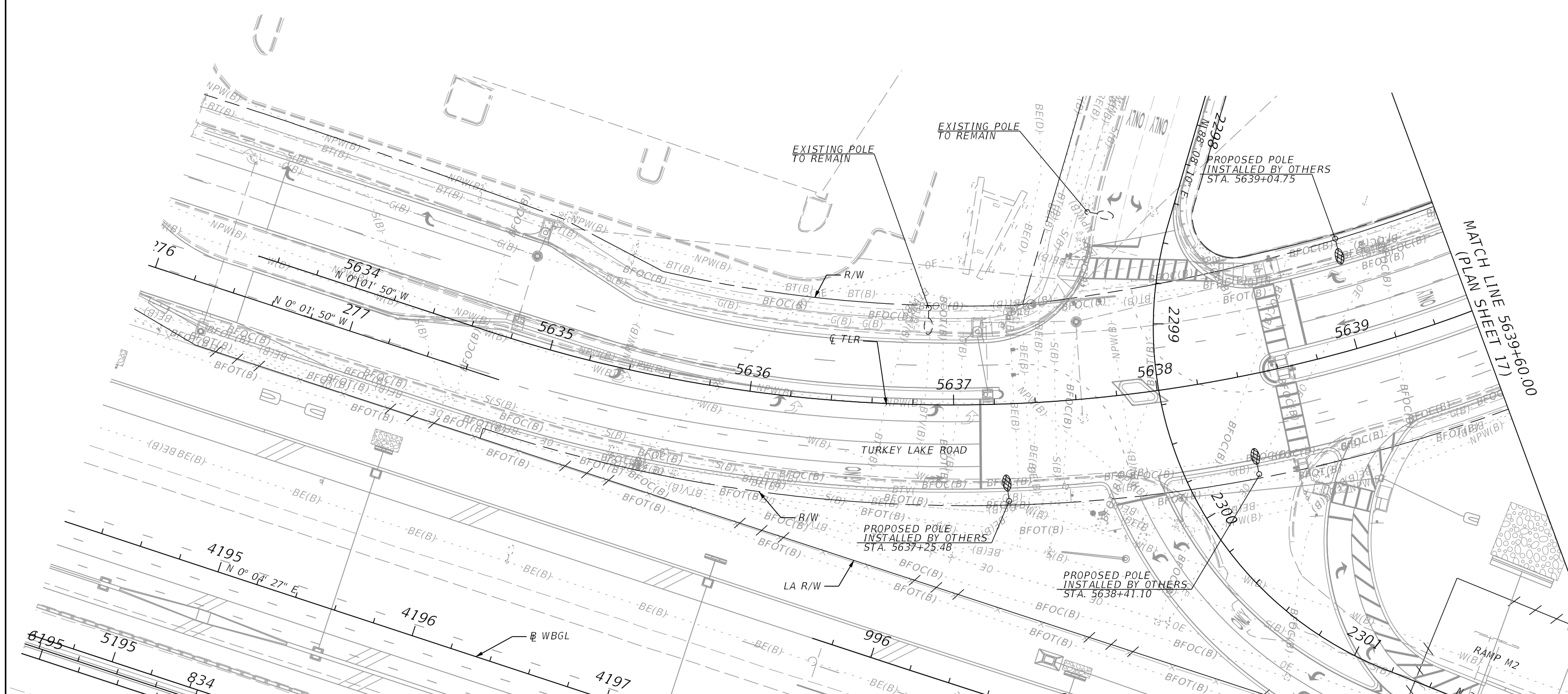
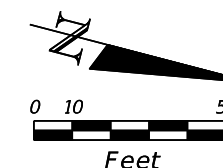
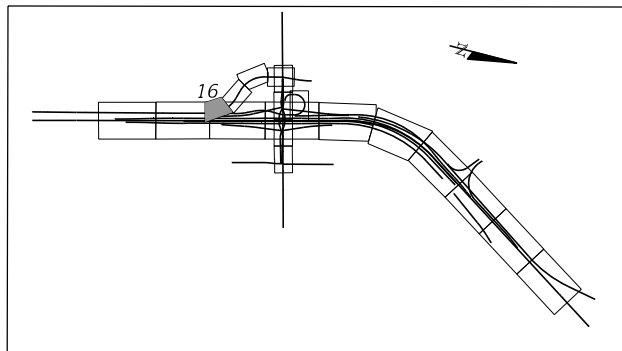
LIGHTING PLAN (15)
SAND LAKE ROAD

SHEET NO.
L-30

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LEGEND

-  DUKE 150W-111 MH 25 UTILITY POLES
-  DUKE 150W-111 MH 27 - UTILITY POLES WITH LUMINAIRES
-  DUKE 150W-111 MH 32 UTILITY POLES
-  DUKE 150W-111 MH 35 - CONCRETE POLES
-  DUKE 220W-111 MH40 - ALUMINUM POLES



REVISIONS	
DATE	DESCRIPTION

Engineer of Record: DeeAngela R. Tjikueni
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



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

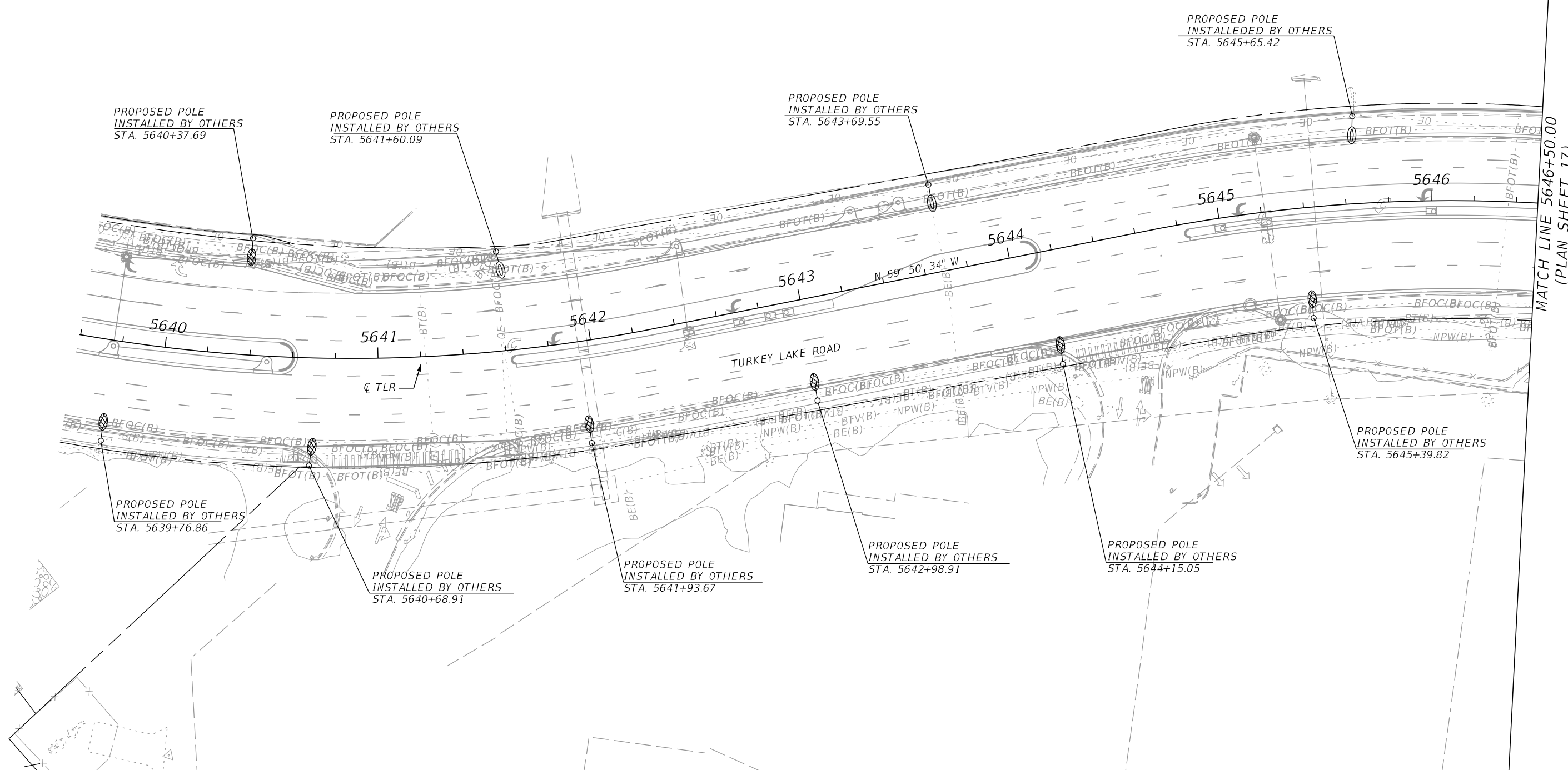
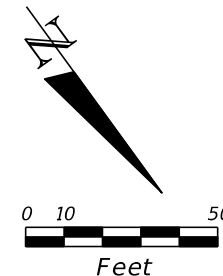
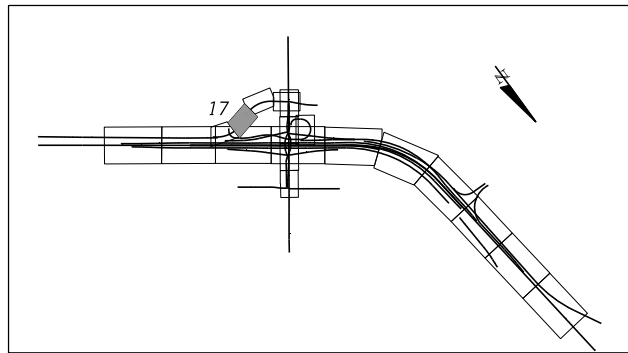
LIGHTING PLAN (16)
TURKEY LAKE ROAD

SHEET
NO.
L-31

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LEGEND

-  DUKE 150W-111 MH 25 UTILITY POLES
-  DUKE 150W-111 MH 27 - UTILITY POLES WITH LUMINAIRES
-  DUKE 150W-111 MH 32 UTILITY POLES
-  DUKE 150W-111 MH 35 - CONCRETE POLES
-  DUKE 220W-111 MH40 - ALUMINUM POLES



MATCH LINE 5646+50.00
(PLAN SHEET 17)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION






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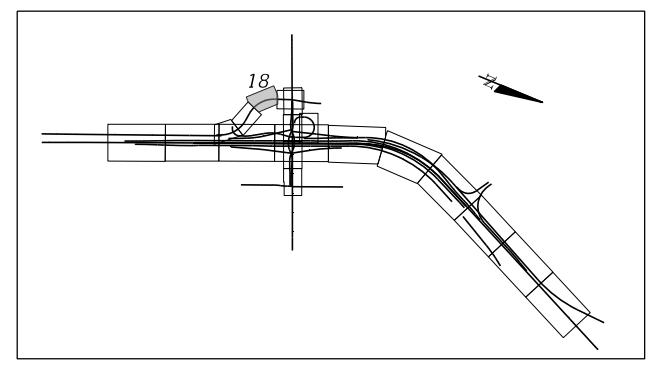
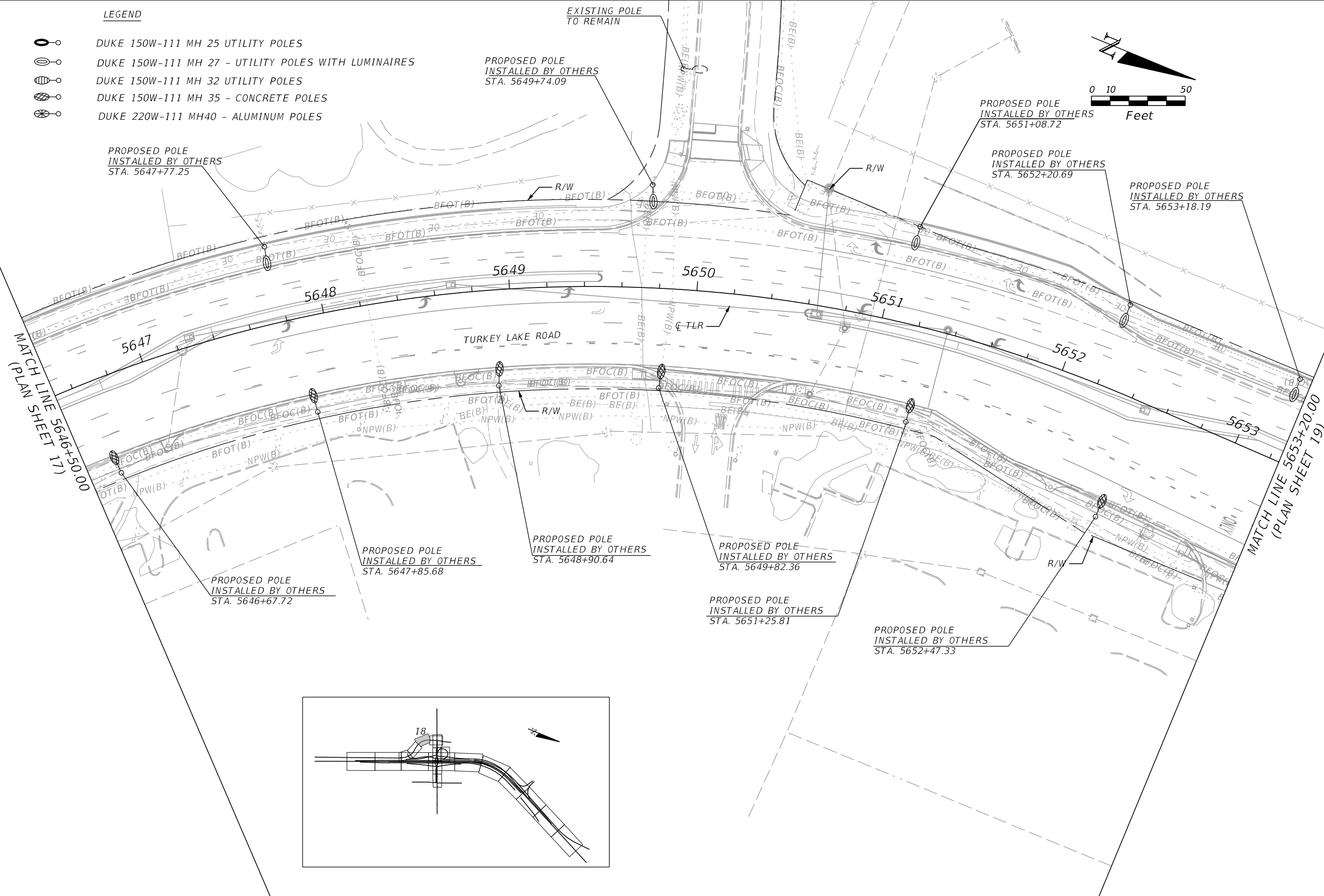
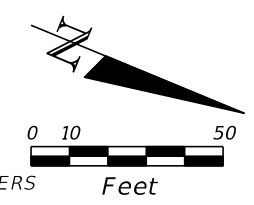
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (17)
TURKEY LAKE ROAD

SHEET NO.
L-32

LEGEND

-  DUKE 150W-111 MH 25 UTILITY POLES
-  DUKE 150W-111 MH 27 - UTILITY POLES WITH LUMINAIRES
-  DUKE 150W-111 MH 32 UTILITY POLES
-  DUKE 150W-111 MH 35 - CONCRETE POLES
-  DUKE 220W-111 MH40 - ALUMINUM POLES



MATCH LINE SHEET 17 (PLAN SHEET 5646+50.00)

MATCH LINE SHEET 19 (PLAN SHEET 5653+20.00)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION






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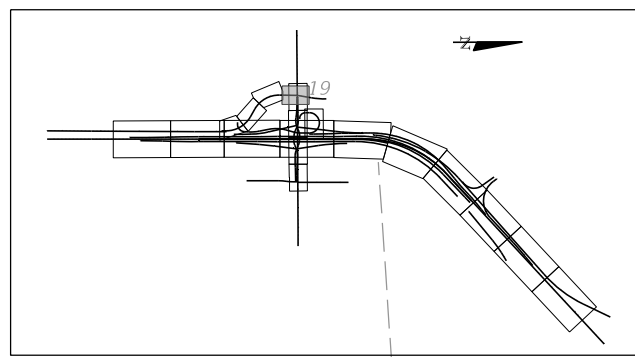
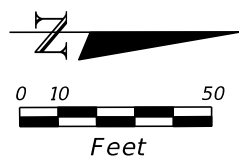
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

**LIGHTING PLAN (18)
TURKEY LAKE ROAD**

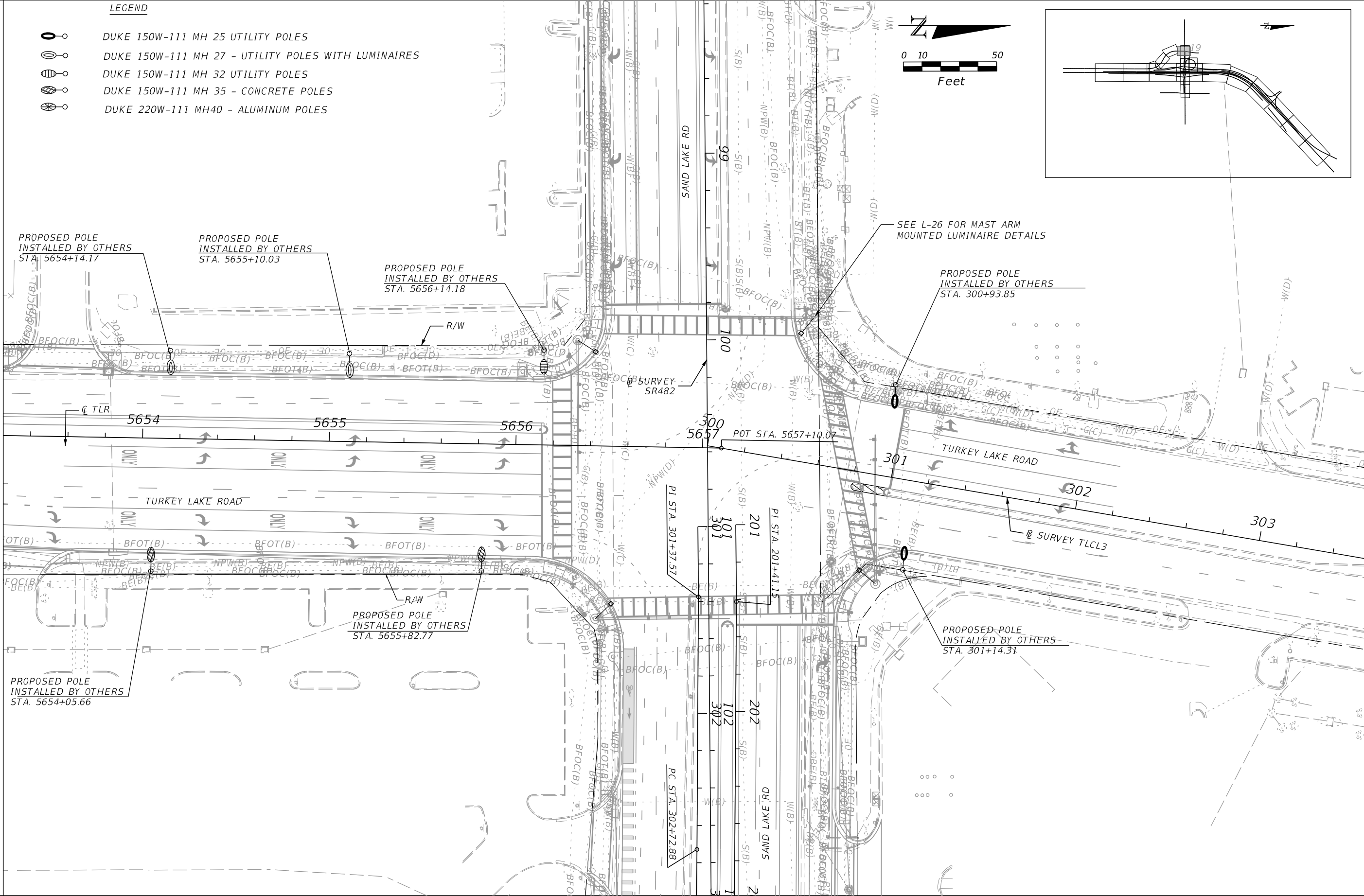
SHEET NO.
L-33

LEGEND

-  DUKE 150W-111 MH 25 UTILITY POLES
-  DUKE 150W-111 MH 27 - UTILITY POLES WITH LUMINAIRES
-  DUKE 150W-111 MH 32 UTILITY POLES
-  DUKE 150W-111 MH 35 - CONCRETE POLES
-  DUKE 220W-111 MH40 - ALUMINUM POLES



MATCH LINE 5653+20.00
(PLAN SHEET 18)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

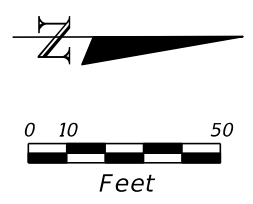
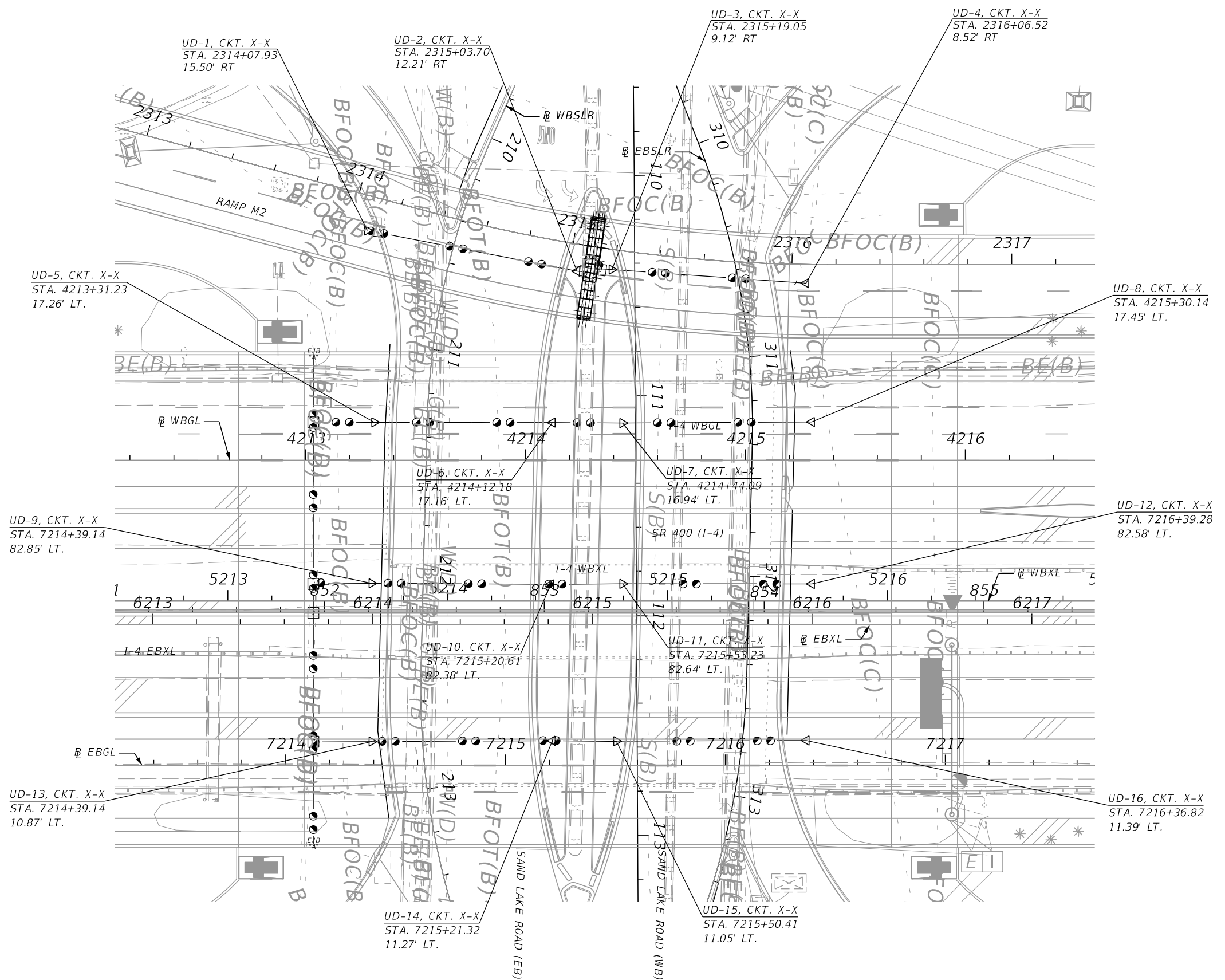
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

LIGHTING PLAN (19)
TURKEY LAKE ROAD

SHEET NO.
L-34

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UD-5, CKT. X-X
STA. 4213+31.23
17.26' LT.

UD-9, CKT. X-X
STA. 7214+39.14
82.85' LT.

UD-13, CKT. X-X
STA. 7214+39.14
10.87' LT.

UD-1, CKT. X-X
STA. 2314+07.93
15.50' RT

UD-2, CKT. X-X
STA. 2315+03.70
12.21' RT

UD-14, CKT. X-X
STA. 7215+21.32
11.27' LT.

UD-6, CKT. X-X
STA. 4214+12.18
17.16' LT.

UD-10, CKT. X-X
STA. 7215+20.61
82.38' LT.

UD-3, CKT. X-X
STA. 2315+19.05
9.12' RT

UD-7, CKT. X-X
STA. 4214+14.09
16.94' LT.

UD-11, CKT. X-X
STA. 7215+53.23
82.64' LT.

UD-15, CKT. X-X
STA. 7215+50.41
11.05' LT.

UD-4, CKT. X-X
STA. 2316+06.52
8.52' RT

UD-8, CKT. X-X
STA. 4215+30.14
17.45' LT.

UD-12, CKT. X-X
STA. 7216+39.28
82.58' LT.

UD-16, CKT. X-X
STA. 7216+36.82
11.39' LT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

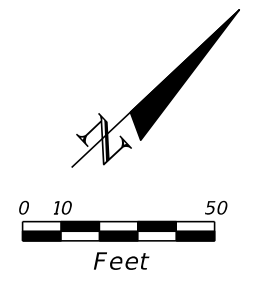
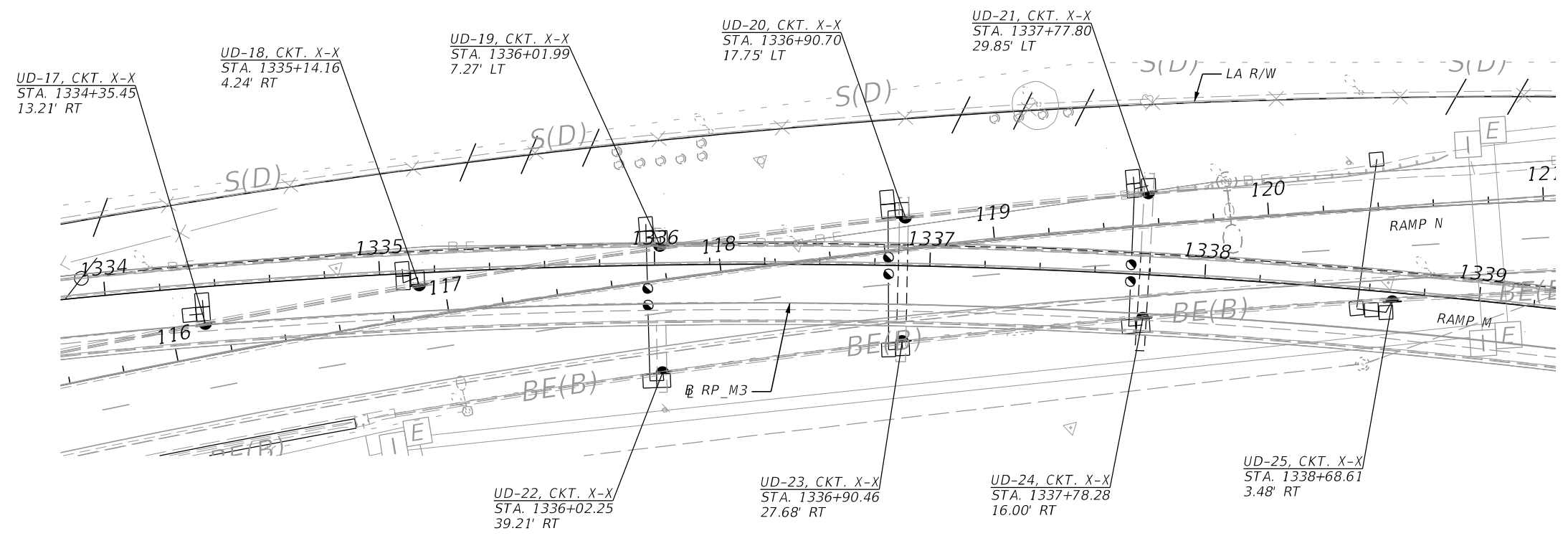
Engineer of Record: DeeAngela R. Tjikueni
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 400	ORANGE	444315-1-52-01

UNDER DECK LIGHTING PLAN

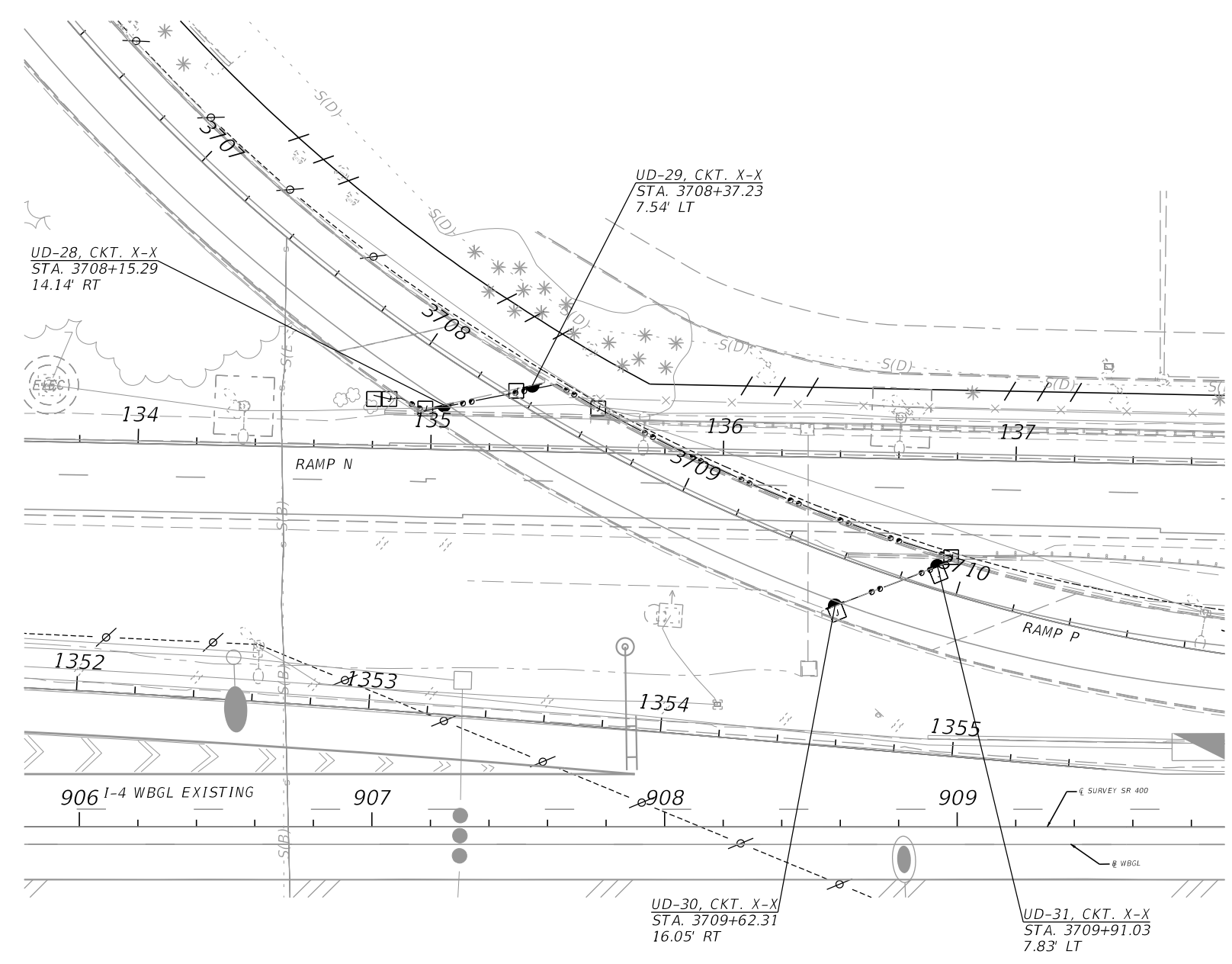
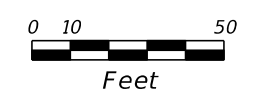
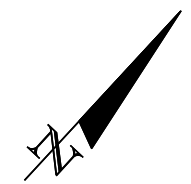
SHEET NO.
L-35

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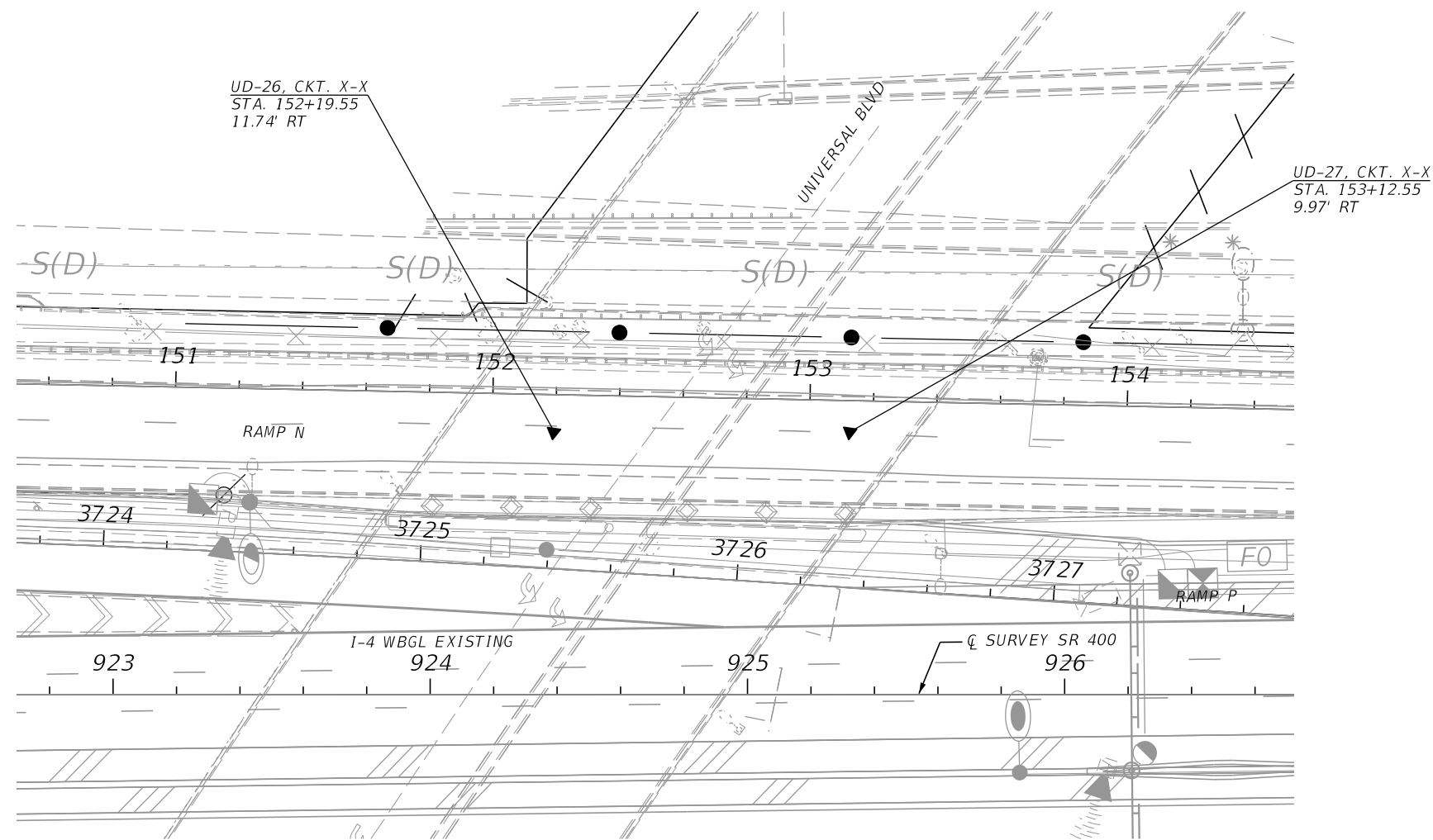
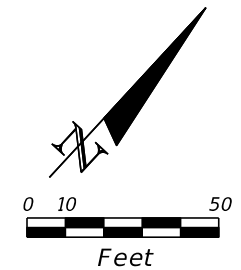


REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UNDER DECK LIGHTING PLAN SHEET NO. L-36
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 400	ORANGE	444315-1-52-01	

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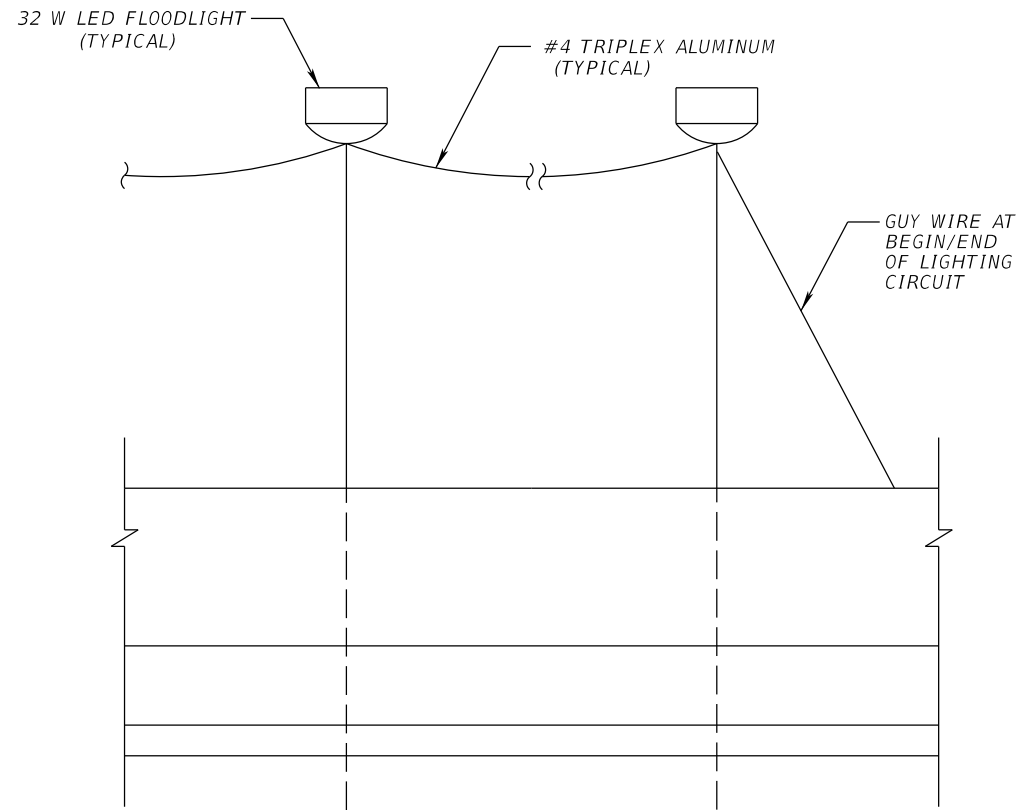
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 400	ORANGE	444315-1-52-01		

TEMPORARY LIGHTING GENERAL NOTES:

1. THE CONTRACTOR SHALL INSTALL A TEMPORARY LIGHTING SYSTEM INCLUDING EMBANKMENT BASE, AERIAL CABLE, CONDUIT, PULL BOXES, AND SERVICE CONNECTIONS AND WILL HAVE THE SYSTEM IN OPERATION BEFORE REMOVAL OF THE EXISTING SYSTEM, WHICH THE TEMPORARY SYSTEM REPLACES. THE COST OF THE TEMPORARY LIGHTING SYSTEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR PAY ITEM NO. 102-30-AAA, MAINTENANCE OF TRAFFIC.
2. VOLTAGE SHALL BE COMPATIBLE WITH EXISTING SERVICE CONNECTIONS.
3. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND REMOVE THE TEMPORARY ROADWAY LIGHTING SYSTEM. INSTALLATION SHALL BE IN ACCORDANCE WITH ALL NATIONAL ELECTRICAL CODE AND NATIONAL ELECTRIC SAFETY CODE REQUIREMENTS.
4. THE CONTRACTOR SHALL PROVIDE OVERHEAD WIRING WHEREVER POSSIBLE, HOWEVER DIRECT BURIED WIRING (CONDUIT AND CONDUCTOR) SHALL BE PROVIDED WHERE OVERHEAD WIRING WOULD INTERFERE WITH CONSTRUCTION.
5. THE CONTRACTOR SHALL PROVIDE ALL TRENCHING, CONDUIT AND CONDUCTORS REQUIRED TO CONDUCT TEMPORARY LIGHTING AS WELL AS ALL SUPPORT POLES NEEDED BETWEEN LIGHTING FIXTURES.
6. THE CONTRACTOR SHALL PROVIDE ALL WIRING CONNECTORS, CONNECTION OF LUMINAIRES AND ALL OTHER HARDWARE REQUIRED FOR A COMPLETE WORKING SYSTEM.
7. THE CONTRACTOR SHALL PROVIDE MAINTENANCE OF ALL TEMPORARY LIGHTING EQUIPMENT.
8. THE CONTRACTOR SHALL UTILIZE EXISTING CIRCUITS FROM THE EXISTING DISTRIBUTION POINTS TO CIRCUIT TEMPORARY LIGHTING FIXTURES OR SHALL USE CIRCUIT FROM THE PROPOSED DISTRIBUTION POINTS.
9. THE CONTRACTOR SHALL INSTALL PROPOSED POLES DURING DAYLIGHT HOURS. THOSE POLES REPLACED BY THE CONTRACTOR SHALL BE OPERATIONAL AT NIGHT. THE CONTRACTOR MAY ELECT TO REPLACE POLES AT NIGHT BUT HE OR SHE SHALL PROVIDE SUFFICIENT LIGHTING TO COMPENSATE FOR THE DOWN POLE(S). AFTER ALL LIGHTING WORK HAS BEEN COMPLETED, THE CONTRACTOR SHALL REMOVE THE TEMPORARY LIGHTING.
10. CONTRACTOR SHALL COORDINATE ALL TEMPORARY ROADWAY LIGHTING WORK WITH TRAFFIC CONTROL PLANS FOR THE APPROPRIATE CONSTRUCTION SEQUENCE.
11. CONTRACTOR SHALL COORDINATE WITH NEW CONSTRUCTION DRAWINGS AND UTILITY DRAWINGS FOR LOCATION OF UNDERGROUND PIPING, CONDUITS, ETC, PRIOR TO LIGHT POLE PLACEMENT.
12. THE OVERHEAD ELECTRICAL SUPPLY CONDUCTORS TO THE TEMPORARY LIGHT POLES SHALL BE A MINIMUM OF 21 FEET ABOVE THE HIGHEST CONSTRUCTION GRADE LEVEL DURING ALL PHASES OF CONSTRUCTION.
13. CONTRACTOR IS REQUIRED TO PROVIDE A TEMPORARY LIGHTING SYSTEM ON ILLUMINATED SECTIONS AT ALL TIMES. THE CONTRACTOR SHALL INSPECT THE SITE AND BRING THE EXISTING LIGHTING SYSTEM TO FULL OPERATING CONDITIONS. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE AND FUNCTIONING TEMPORARY ROADWAY LIGHTING SYSTEM TO MAINTAIN AN AVERAGE INITIAL ILLUMINATION OF 1.5 FOOT CANDLE LIGHT LEVEL WITH A 4:1 OR LESS AVG/MIN, 10:1 OR LESS MAX/MIN, ON THE TRAVEL LANES WHERE EXISTING ROADWAY LIGHTING IS AFFECTED DURING ALL PHASES OF CONSTRUCTION.
14. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE TEMPORARY LIGHTING SYSTEM. LIGHTING CALCULATIONS, PHOTOMETRIC AND VOLTAGE DROP SHALL BE INCLUDED WITH THE SUBMITTAL.



CONCRETE BARRIER TEMPORARY LIGHTING DETAIL (TYPICAL)

N.T.S.

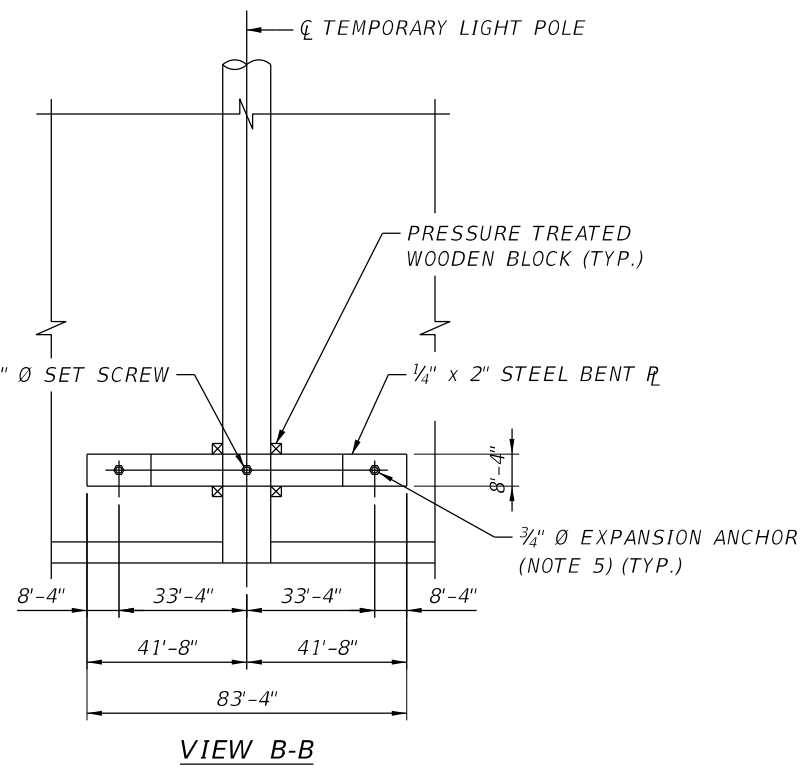
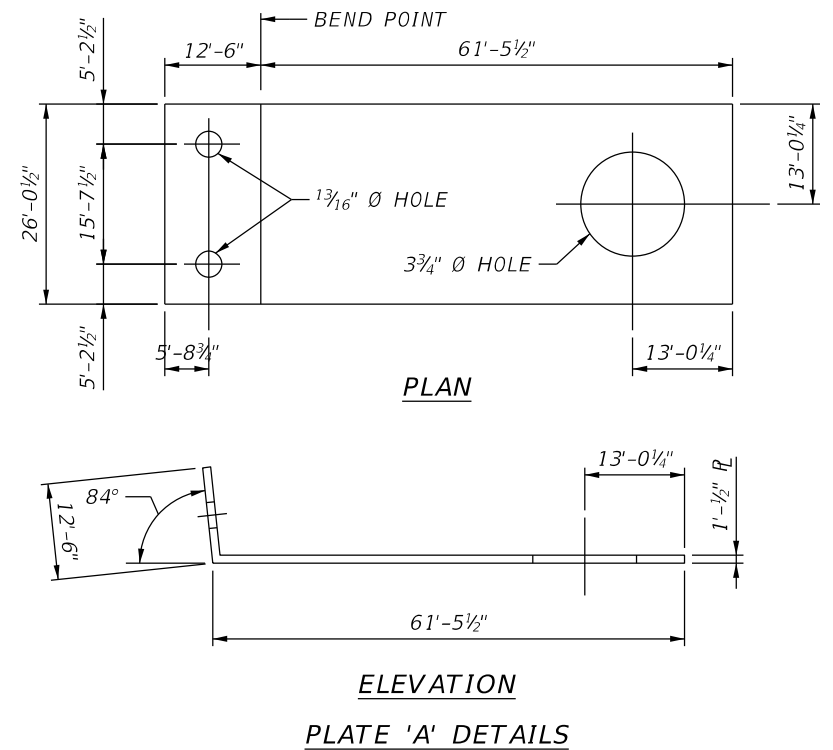
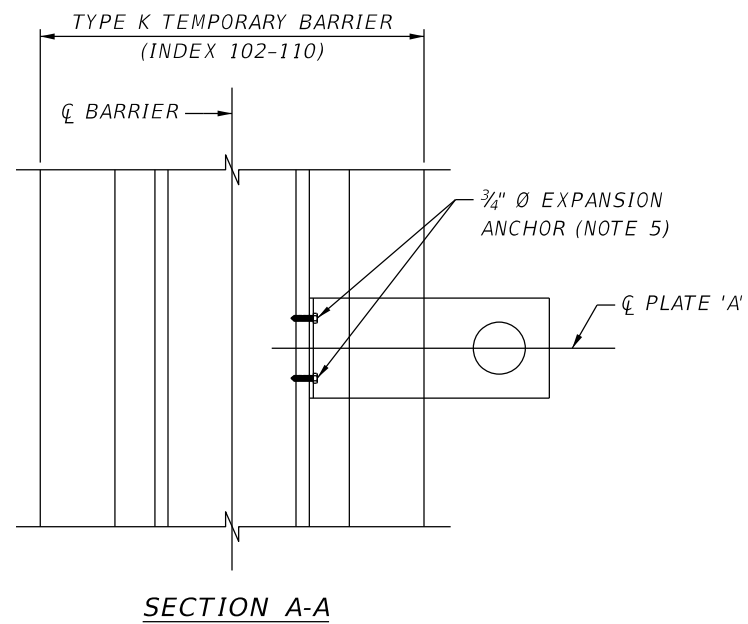
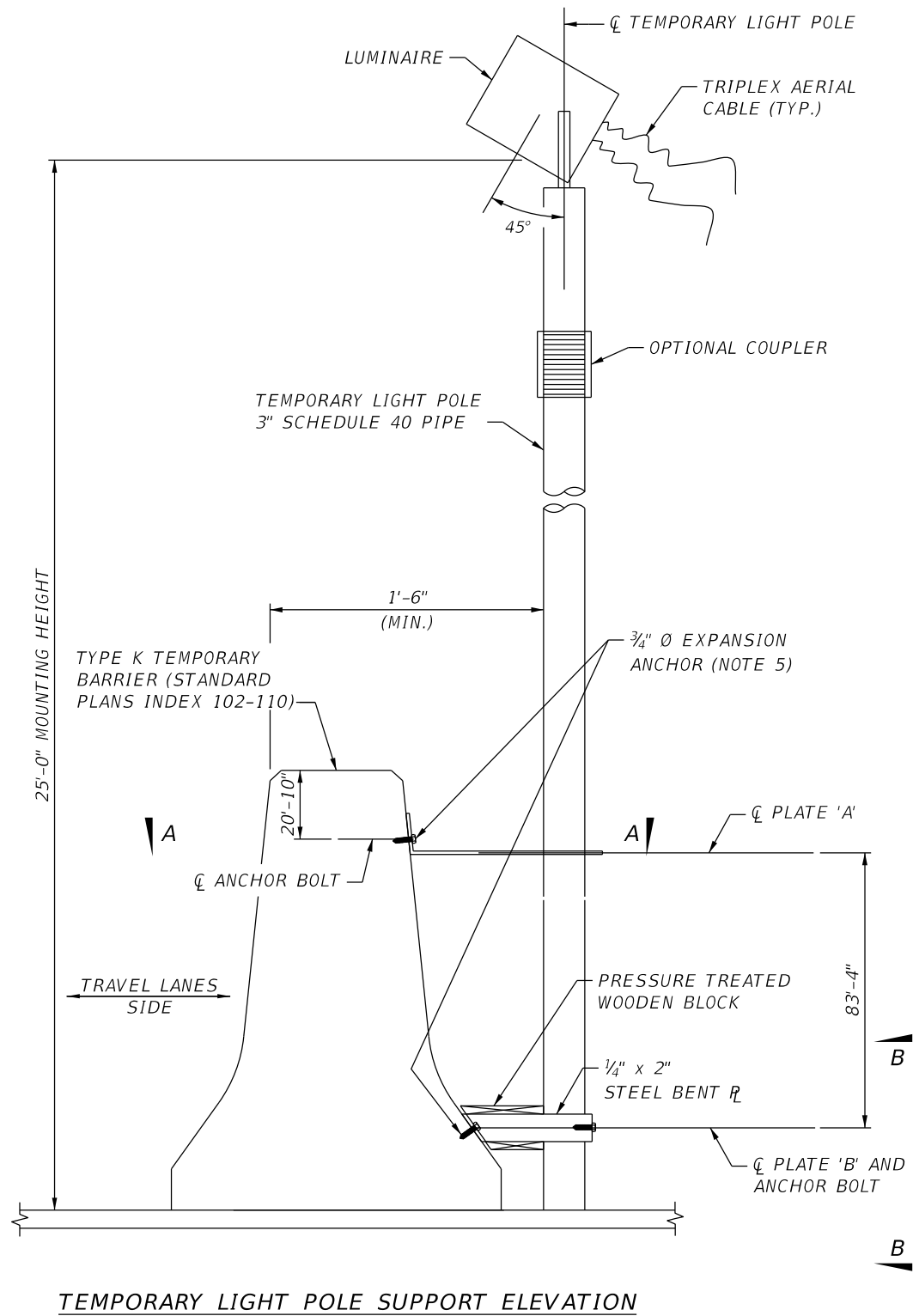
FOR BARRIER MOUNTED 32 W LED GENERAL ELECTRIC EVOLVE EFM101-AA77740, 480 VOLT FLOODLIGHT (TYP.) OR APPROVED EQUAL, 25FT MOUNTING HEIGHT WITH 45° TILT. SEE NOTES ON THE FOLLOWING SHEET FOR SPACING.

REVISIONS				Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. TEMPORARY LIGHTING PLAN L-39
DATE	DESCRIPTION	DATE	ROAD NO.		COUNTY	FINANCIAL PROJECT ID		
			SR 400		ORANGE	444315-1-52-01		

BARRIER MOUNTED TEMPORARY LIGHTING NOTES:

TCP PHASE 1: EXISTING LIGHTING SHALL BE MAINTAINED	TCP PHASE 4D (SAND LAKE RD & I-4 RAMPS): 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF LOOP RAMP TRAFFIC 45 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 ON-RAMP AND OFF-RAMP TRAFFIC 42 FT ON CENTER DOUBLE-SIDED OPPOSITE LIGHTING FOR 4 LANES OF TRAFFIC ON SAND LAKE RD (AT INTERNATIONAL DR) 47 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF TRAFFIC ON SAND LAKE RD 44 FT ON CENTER SINGLE-SIDED LIGHTING FOR 4 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASES 2A, 2B & 2C (I-4): 40 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF MAINLINE TRAFFIC 42 FT ON CENTER SINGLE-SIDED LIGHTING FOR 4 LANES OF MAINLINE TRAFFIC 60 FT ON CENTER SINGLE-SIDED LIGHTING FOR 1 LANE OF TRAFFIC ON RAMPS 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANE OF TRAFFIC ON RAMPS	TCP PHASE 4E (SAND LAKE RD & I-4 RAMPS): 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF LOOP RAMP TRAFFIC 45 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 ON-RAMP AND OFF-RAMP TRAFFIC 42 FT ON CENTER DOUBLE-SIDED OPPOSITE LIGHTING FOR 4 LANES OF TRAFFIC ON SAND LAKE RD (AT INTERNATIONAL DR) 56 FT ON CENTER SINGLE-SIDED LIGHTING FOR 1 LANE OF TRAFFIC ON SAND LAKE RD 67 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASES 3A, 3B & 3C (I-4): 40 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF MAINLINE TRAFFIC 42 FT ON CENTER SINGLE-SIDED LIGHTING FOR 4 LANES OF MAINLINE TRAFFIC 82 FT ON CENTER DOUBLE-SIDED OPPOSITE LIGHTING FOR 5 LANES OF MAINLINE TRAFFIC 60 FT ON CENTER SINGLE-SIDED LIGHTING FOR 1 LANE OF TRAFFIC ON RAMPS 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANE OF TRAFFIC ON RAMPS	TCP PHASE 4F (SAND LAKE RD & I-4 RAMPS): 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF LOOP RAMP TRAFFIC 45 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 ON-RAMP AND OFF-RAMP TRAFFIC 42 FT ON CENTER DOUBLE-SIDED OPPOSITE LIGHTING FOR 4 LANES OF TRAFFIC ON SAND LAKE RD (AT INTERNATIONAL DR) 67 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF TRAFFIC ON SAND LAKE RD 46 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4A (SAND LAKE RD & I-4 RAMPS): 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF LOOP RAMP TRAFFIC 45 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 ON-RAMP AND OFF-RAMP TRAFFIC 42 FT ON CENTER DOUBLE-SIDED OPPOSITE LIGHTING FOR 4 LANES OF TRAFFIC ON SAND LAKE RD (AT INTERNATIONAL DR) ALL PERMANENT I-4 LIGHTING TO BE INSTALLED	TCP PHASE 4G (SAND LAKE RD & I-4 RAMPS): 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF LOOP RAMP TRAFFIC 67 FT ON CENTER SINGLE-SIDED LIGHTING FOR 1 LANE OF TRAFFIC ON SAND LAKE RD 46 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF TRAFFIC ON SAND LAKE RD 34 FT ON CENTER STAGGERED DOUBLE-SIDED OPPOSITE LIGHTING FOR 5 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4B (SAND LAKE RD & I-4 RAMPS): 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF LOOP RAMP TRAFFIC 45 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 ON-RAMP AND OFF-RAMP TRAFFIC 42 FT ON CENTER DOUBLE-SIDED OPPOSITE LIGHTING FOR 4 LANES OF TRAFFIC ON SAND LAKE RD (AT INTERNATIONAL DR) 42 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF TRAFFIC ON SAND LAKE RD 35 FT ON CENTER STAGGERED DOUBLE-SIDED OPPOSITE LIGHTING FOR 5 LANES OF TRAFFIC ON SAND LAKE RD	TCP PHASE 4H (SAND LAKE RD & I-4 RAMPS): 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF LOOP RAMP TRAFFIC 46 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF TRAFFIC ON SAND LAKE RD 34 FT ON CENTER STAGGERED DOUBLE-SIDED OPPOSITE LIGHTING FOR 5 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4C (SAND LAKE RD & I-4 RAMPS): 55 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF LOOP RAMP TRAFFIC 45 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 ON-RAMP AND OFF-RAMP TRAFFIC 42 FT ON CENTER DOUBLE-SIDED OPPOSITE LIGHTING FOR 4 LANES OF TRAFFIC ON SAND LAKE RD (AT INTERNATIONAL DR) 58 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF TRAFFIC ON SAND LAKE RD	TCP PHASE 4I (SAND LAKE RD): ALL PERMANENT SAND LAKE RD LIGHTING TO BE INSTALLED

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> <th colspan="2"></th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>Engineer of Record: DeeAngela R. Tjikueni P.E. License No. 68301 Jacobs Engineering Group, Inc. 200 S. Orange Avenue, Suite 900 Orlando, FL 32801 PH (407) 903-5001</p>			<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td>SR 400</td> <td>ORANGE</td> <td>444315-1-52-01</td> </tr> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 400	ORANGE	444315-1-52-01	<p>SHEET NO. L-40</p>	
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SR 400	ORANGE	444315-1-52-01																											
<p>TEMPORARY LIGHTING PLAN</p>																													



NOTES:

1. STEEL PLATES SHALL BE ASTM A 709, GRADE 36.
2. STEEL PIPES SHALL BE ASTM A53, GRADE B.
3. PRESSURE TREATED WOOD BLOCKS SHALL FIT SNUGLY BETWEEN FACE OF BARRIER AND STEEL PIPE.
4. THE STRUCTURAL DESIGN IS BASED ON A LUMINAIRE WITH A MAXIMUM WEIGHT OF 50 LBS AND MAXIMUM EPA (EFFECTIVE PROJECTED AREA) OF 1.40 SQ. FT. IF A LUMINAIRE EXCEEDING THESE PARAMETERS IS SELECTED, NOTIFY THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO ORDERING.
5. EXPANSION ANCHOR SHALL MEET THE FOLLOWING MINIMUM PERFORMANCE CRITERIA:
 - ANCHOR DESIGN STRENGTH*IN CRACKED CONCRETE: 4.75 KIPS
 - MINIMUM EFFECTIVE EMBEDMENT: 3.75 INCHES
 * DESIGN STRENGTH SHALL TAKE INTO CONSIDERATION EDGE DISTANCE, ANCHOR SPACING AND CONCRETE THICKNESS. INSTALLATION OF EXPANSION ANCHOR SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. DESIGN IS IN ACCORDANCE WITH THE 2013 (6TH EDITION) AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, AND APPLICABLE INTERIMS, AS MODIFIED BY THE 2016 FDOT STRUCTURES MANUAL. DESIGN WIND SPEED IS 70 MPH WITH A 3 SECOND GUST FACTOR OF 1.14.
7. DRILLING HOLES THROUGH STEEL PIPE OR STEEL BENT PLATE FOR ELECTRICAL SERVICE CONNECTION SHALL NOT BE ALLOWED.

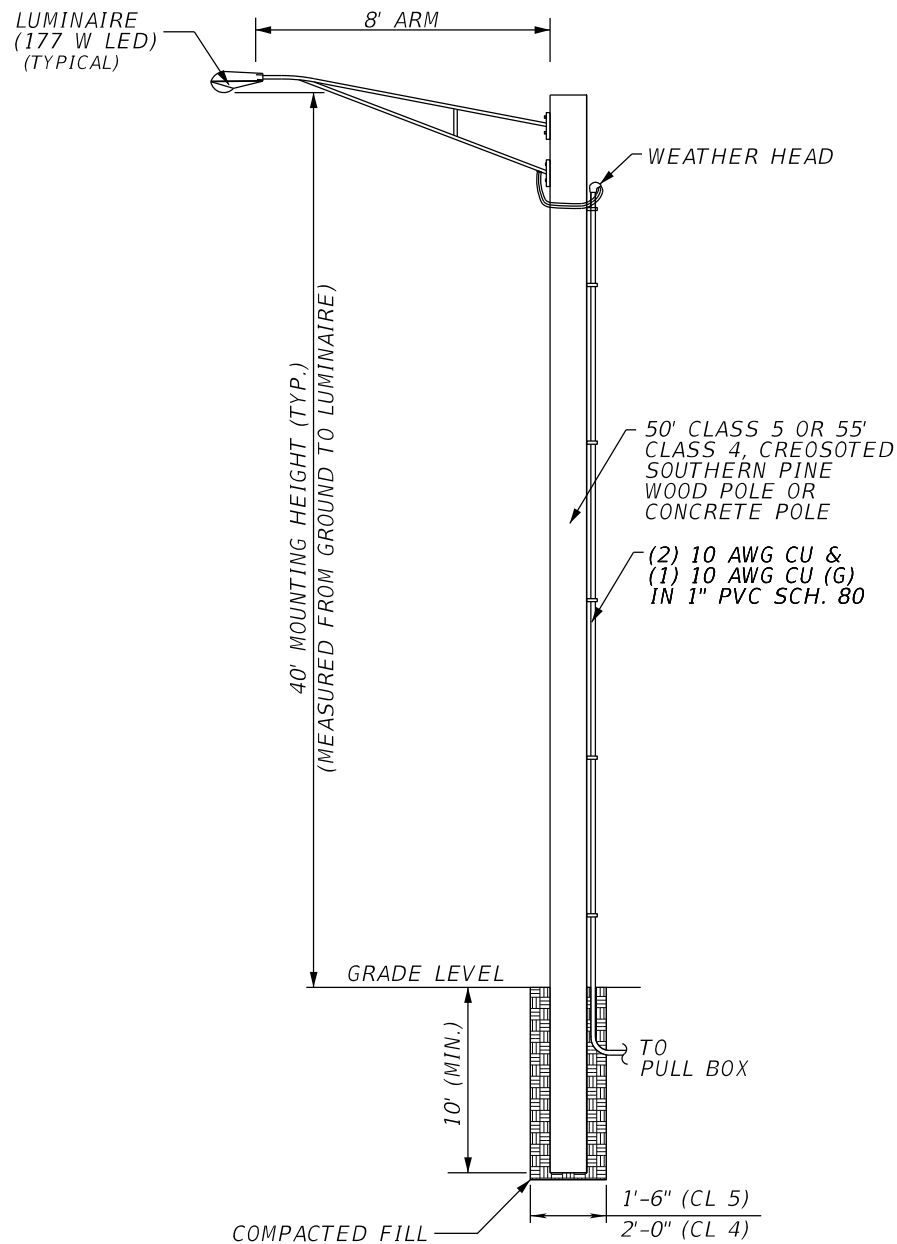
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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TEMPORARY LIGHTING PLAN

SHEET NO.
L-41



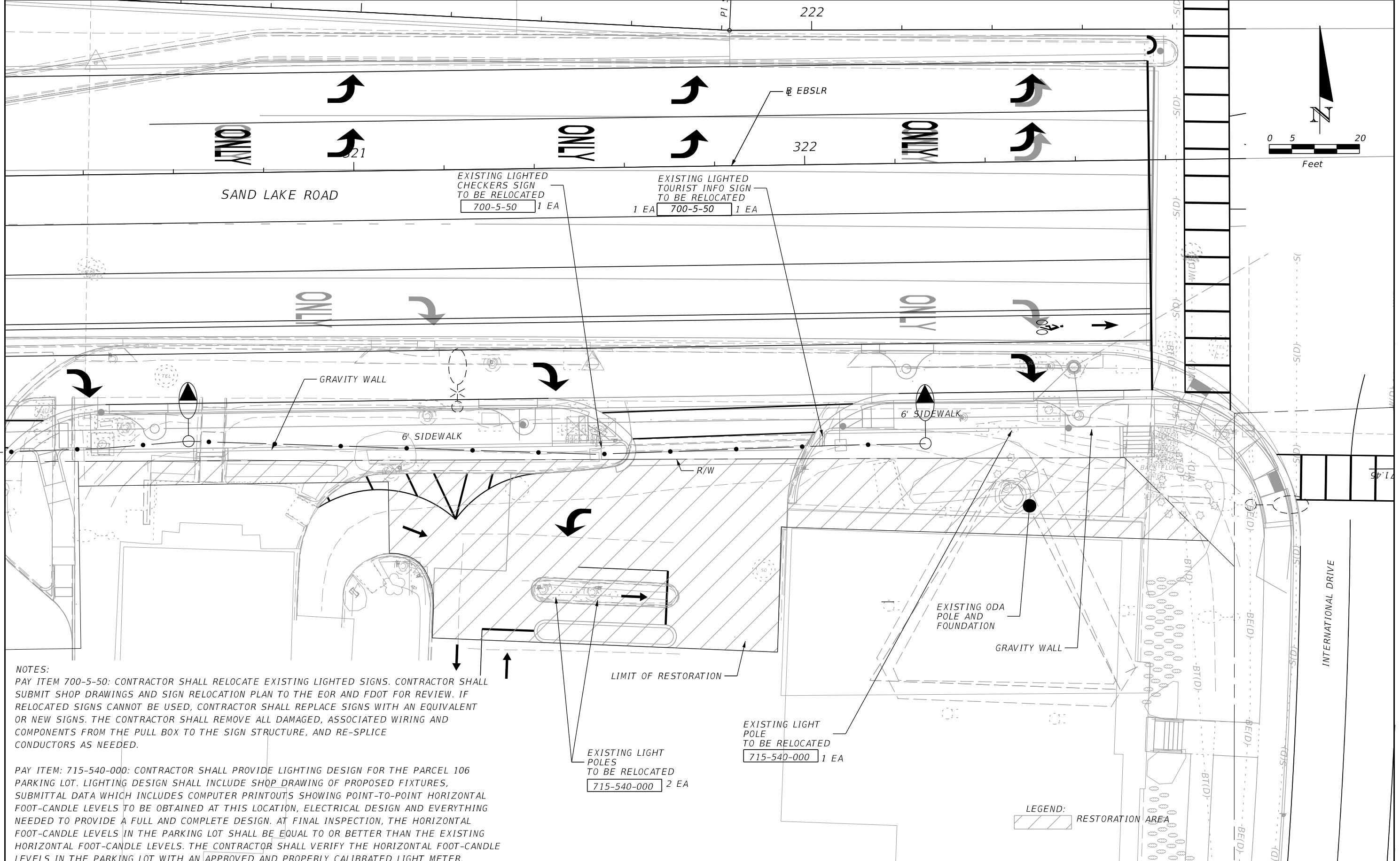
POLE MOUNTED TEMPORARY LIGHTING DETAIL (TYPICAL)
N.T.S.

FOR POLE MOUNTED 177 W LED GENERAL ELECTRIC EVOLVE ERL2-21D340, 480 VOLT, COBRA HEAD (TYP.) OR APPROVED EQUAL. SEE NOTES FOR SPACING.

POLE MOUNTED TEMPORARY LIGHTING NOTES:

TCP PHASES 3A, 3B & 3C:	120 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF MAINLINE TRAFFIC
TCP PHASE 4A (SAND LAKE RD & I-4 RAMPS):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 OFF-RAMP TRAFFIC 122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 4 LANES OF TRAFFIC ON SAND LAKE RD
	ALL PERMANENT I-4 LIGHTING TO BE INSTALLED EXCEPT FOR RAMPS N, P, Q & R
TCP PHASE 4B (SAND LAKE RD & I-4 RAMPS):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 OFF-RAMP TRAFFIC 122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4C (SAND LAKE RD & I-4 RAMPS):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 OFF-RAMP TRAFFIC 122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 OR 3 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4D (SAND LAKE RD & I-4 RAMPS):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 OFF-RAMP TRAFFIC 122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 OR 5 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4E (SAND LAKE RD & I-4 RAMPS):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 OFF-RAMP TRAFFIC 122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 OR 5 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4F (SAND LAKE RD & I-4 RAMPS):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2 LANES OF I-4 OFF-RAMP TRAFFIC 122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 2, 3, 4 OR 5 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4G (SAND LAKE RD):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3 OR 5 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4H (SAND LAKE RD):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 3, 4 OR 5 LANES OF TRAFFIC ON SAND LAKE RD
TCP PHASE 4I (SAND LAKE RD):	ALL PERMANENT SAND LAKE RD LIGHTING TO BE INSTALLED
TCP PHASE 6 (RAMPS M, N, P, Q & R):	122 FT ON CENTER SINGLE-SIDED LIGHTING FOR 1 OR 2 LANES OF RAMP TRAFFIC

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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NOTES:
 PAY ITEM 700-5-50: CONTRACTOR SHALL RELOCATE EXISTING LIGHTED SIGNS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SIGN RELOCATION PLAN TO THE EOR AND FDOT FOR REVIEW. IF RELOCATED SIGNS CANNOT BE USED, CONTRACTOR SHALL REPLACE SIGNS WITH AN EQUIVALENT OR NEW SIGNS. THE CONTRACTOR SHALL REMOVE ALL DAMAGED, ASSOCIATED WIRING AND COMPONENTS FROM THE PULL BOX TO THE SIGN STRUCTURE, AND RE-SPLICE CONDUCTORS AS NEEDED.

PAY ITEM: 715-540-000: CONTRACTOR SHALL PROVIDE LIGHTING DESIGN FOR THE PARCEL 106 PARKING LOT. LIGHTING DESIGN SHALL INCLUDE SHOP DRAWING OF PROPOSED FIXTURES, SUBMITTAL DATA WHICH INCLUDES COMPUTER PRINTOUTS SHOWING POINT-TO-POINT HORIZONTAL FOOT-CANDLE LEVELS TO BE OBTAINED AT THIS LOCATION, ELECTRICAL DESIGN AND EVERYTHING NEEDED TO PROVIDE A FULL AND COMPLETE DESIGN. AT FINAL INSPECTION, THE HORIZONTAL FOOT-CANDLE LEVELS IN THE PARKING LOT SHALL BE EQUAL TO OR BETTER THAN THE EXISTING HORIZONTAL FOOT-CANDLE LEVELS. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL FOOT-CANDLE LEVELS IN THE PARKING LOT WITH AN APPROVED AND PROPERLY CALIBRATED LIGHT METER.

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PARCEL 106 LIGHTING AND SIGN RELOCATION DETAIL

SHEET NO.
L-43

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.